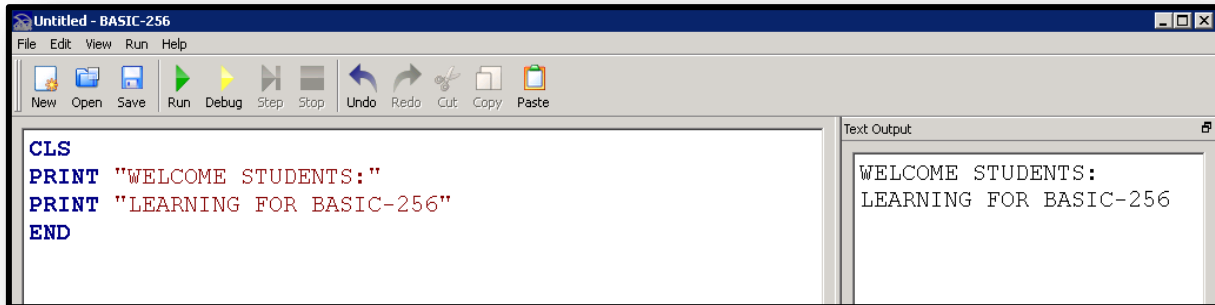## PR: 1 DISPLAY WELCOME MESSAGE:

PROGRAM

```
CLS
PRINT "WELCOME STUDENTS:"
PRINT "LEARNING FOR BASIC-256"
END
```

RUN F5

OUTPUT

WELCOME STUDENTS:
LEARNING FOR BASIC-256

Untitled - BASIC-256

File Edit View Run Help

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```
CLS
PRINT "WELCOME STUDENTS:"
PRINT "LEARNING FOR BASIC-256"
END
```

Text Output

```
WELCOME STUDENTS:
LEARNING FOR BASIC-256
```

PR : 2 TO USE OF NUMERIC VARIABLE:

PROGRAM

```
CLS
A=10
PRINT "VALUE OF A IS :"
PRINT A
A = A + 2
PRINT "VALUE OF A IS :"
PRINT A
END
```

RUN F5

OUTPUT

VALUE OF A IS :
10
VALUE OF A IS :
12

PR : 3 TO USE OF STRING VARIABLE:

PROGRAM

```
CLS
NAME$="KUNJAL MODI"
PRINT "NAME IS:"
PRINT NAME$
COURSE$="BASIC-256"
PRINT "COURSE IS :"
PRINT COURSE$
END
```

RUN F5

OUTPUT

NAME IS:
KUNJAL MODI
COURSE IS :
BASIC-256

PR: 4 ARITHMETIC OPERATOR :

PROGRAM

```
CLS
A=10
B=20
PRINT "ADDITION IS :"
PRINT A+B
PRINT "SUBTRACTION IS :"
PRINT A-B
PRINT "MULTIPLICATION IS :"
PRINT A*B
PRINT "DIVISION IS :"
PRINT A/B
PRINT "SQUARE OF 10 IS :"
PRINT A^2
END
```

RUN F5

OUTPUT

```
ADDITION IS :
30
SUBTRACTION IS :
-10
MULTIPLICATION IS :
200
DIVISION IS :
0.5
SQUARE OF 10 IS :
100
```

PR : 5 TO DISPLAY THE USE OF STRING CONSTANTS WITH (+) SIGN.

PROGRAM

```
CLS
A$="I "
B$="LEARN "
C$="BASIC-256"
PRINT A$ + B$ + C$
END
```

RUN F5

OUTPUT

```
I LEARN BASIC-256
```

PR : 6 TO GET VALUE FROM USER AND PRINT IT.

PROGRAM

```
CLS
PRINT "ENTER YOUR ROLL NO :"
INPUT RNO
PRINT "ENTER YOUR NAME :"
INPUT  NAME$
PRINT "YOUR ROLL NO IS :"
+RNO
PRINT "YOUR NAME IS :"
+NAME$
END
```

RUN F5

OUTPUT

```
ENTER YOUR ROLL NO :
5
ENTER YOUR NAME :
KUNJAL
YOUR ROLL NO IS :5
YOUR NAME IS :KUNJAL
```

PR : 7 CALCCULATE THE MONTHLY SALARY :

PROGRAM

```
CLS
INPUT "ENTER YOUR NAME:",NAME$
INPUT "ENTER YOUR SALARY :" ,SAL
INPUT "ENTER ATTENDED DAYS :",
DA
DAY_SAL=SAL*DA/30
PRINT
PRINT
PRINT "YOUR NAME IS "+NAME$
PRINT "YOUR SALARY IS :"+DAY_SAL
END
```

RUN F5

OUTPUT

```
ENTER YOUR NAME :
KUNJAL
ENTER YOUR SALARY :
11000
ENTER ATTENDED DAYS :
28


YOUR NAME IS KUNJAL
YOUR SALARY IS :
10266.666667
```

PR : 8 TO FIND THE TOTAL MARKS AND PERCENTAGE:

PROGRAM

```
CLS
INPUT "ENTER YOUR ROLL NO :",RNO
INPUT "ENTER YOUR NAME :",NAME$
INPUT "ENTER ENG'S MARK :",ENG
INPUT "ENTER MATHS'S MARK :"
,MATHS
INPUT "ENTER COMPUTER'S MARK :"
,COM
TOTAL = ENG+MATHS+COM
PER=TOTAL/3
PRINT
PRINT
PRINT "ROLL NO IS :" +RNO
PRINT "NAME IS :" +NAME$
PRINT "TOTAL MARKS IS :"+TOTAL
PRINT "PERCENTAGE IS :"+PER
END
```

RUN F5

OUTPUT

```
ENTER YOUR ROLL NO :5
ENTER YOUR NAME :KUNJAL
ENTER ENG'S MARK :89
ENTER MATHS'S MARK :67
ENTER COMPUTER'S MARK :97


ROLL NO IS :5
NAME IS :KUNJAL
TOTAL MARKS IS :253
PERCENTAGE IS :84.333333
```

PR : 9 CALCULATE THE TOTAL COST OF PENS:

PROGRAM

```
CLS
INPUT "ENTER THE COST OF 1 PEN:",
COST
INPUT "ENTER THE AMOUNT OF PENS:",
AMT
TC=COST*AMT
PRINT "TOTAL COST OF "+AMT+ " PENS
IS "+TC+ " RS."
END
```

RUN F5

OUTPUT

```
ENTER THE COST OF 1 PEN:5
ENTER THE AMOUNT OF
PENS:10
TOTAL COST OF 10 PENS IS 50
RS.
```

PR : 10 CALCULATE THE NET PRICE OF ITEM WITH DISCOUNT :

PROGRAM

```
CLS
INPUT "MRP OF PRODUCT IS :",MRP
INPUT "ENTER THE DISCOUNT OF
PRODUCT (IN PERCENTAGE):",DIS
DIS=MRP*DIS/100
NET=MRP-DIS
PRINT
PRINT "THE RETAIL PRICE OF THE
ITEM IS :"+MRP
PRINT
PRINT "THE "+DIS+"DISCOUNT IS: "+DIS
PRINT
PRINT "THE NET PRICE OF ITEM IS "
+NET
END
```

RUN F5

OUTPUT

```
MRP OF PRODUCT IS :210.35

ENTER THE DISCOUNT OF
PRODUCT(IN PERCENTAGE):20

THE RETAIL PRICE OF THE
ITEM IS :210.35

THE 42.07DISCOUNT IS: 42.07

THE NET PRICE OF ITEM IS
168.28
```

PR : 11 CALCULATE THE AREA AND VOLUMN OF A ROOM :

PROGRAM

```
CLS
INPUT "LENGTH OF THE ROOM =" ,L
INPUT "WIDTH OF THE ROOM =",B
INPUT "HEIGHT OF THE ROOM =",W
AREA=L*B
VOL=L*B*W
PRINT
PRINT "AREA OF THE ROOM IS ="
+AREA
PRINT
PRINT "VOLUME OF ROOM IS ="+VOL
END
```

RUN F5

OUTPUT

```
LENGTH OF THE ROOM =2
WIDTH OF THE ROOM =3
HEIGHT OF THE ROOM =4

AREA OF THE ROOM IS =6

VOLUME OF ROOM IS =24
```

PR : 12 ACCEPT TWO NUMBERS AND SWAP THEIR VALUES :

PROGRAM

```
CLS
INPUT "ENTER TWO NUMBERS :" ,A
INPUT B
PRINT "AFTER SWAPING TWO
NUMBERS ARE:" +A+ " AND " +B
C=A
A=B
B=C
PRINT "BEFORE SWAPING TWO
NUMBERS ARE: "+A+ " AND "+B
END
```

RUN F5

OUTPUT

```
ENTER TWO NUMBERS :7
3

AFTER SWAPING TWO
NUMBERS ARE:7 AND 3

BEFORE SWAPING TWO
NUMBERS ARE: 3 AND 7
```

PR : 13 COMPARE TWO NUMBERS :

PROGRAM

```
CLS
INPUT "ENTER FIRST NUMBER :" ,N1
INPUT "ENTER SECOND NUMBER " ,N2
IF (N1>N2) THEN
PRINT N1+" IS GREATER THEN "+N2
END IF
IF (N1<N2) THEN
PRINT N2+" IS GREATER THEN "+N1
END IF
IF (N1=N2) THEN
PRINT "BOTH NUMBERS ARE EQUAL"
END IF
END
```

RUN F5

OUTPUT

```
ENTER FIRST NUMBER :3
ENTER SECOND NUMBER 3
BOTH NUMBERS ARE EQUAL
```

```
ENTER FIRST NUMBER :2
ENTER SECOND NUMBER 3
3 IS GREATER THEN 2
```

```
ENTER FIRST NUMBER :6
ENTER SECOND NUMBER 5
6 IS GREATER THEN 5
```

PR : 14 TO PRINT THE SQUARE OF THE ENTERED NUMBER :

PROGRAM

```
CLS
INPUT "ENTER THE NUMBER: ",NUM

IF NUM<>0 THEN
PRINT
PRINT "SQUARE OF THE NUMBER IS = "
+NUM*NUM
END IF
END
```

RUN F5

OUTPUT

```
ENTER THE NUMBER: 5

SQUARE OF THE NUMBER IS =
25
```

PR : 15 ENTER THE AGE OF A PERSON AND CHECK WHETHER HE IS ELIGIBLE TO VOTE OR NOT:

PROGRAM

```
CLS
INPUT "ENTER YOUR AGE:",AGE
IF AGE>=18 THEN
PRINT "YOU ARE ELIGIBLE TO VOTE:"
ELSE
PRINT "YOU ARE NOT ELIGIBLE TO
VOTE:"
END IF
END
```

RUN F5

OUTPUT

```
ENTER YOUR AGE:11

YOU ARE NOT ELIGIBLE TO
VOTE:
```

```
ENTER YOUR AGE:34

YOU ARE ELIGIBLE TO
VOTE:
```

PR : 16 TO CHECK WHETHER THE ENTERED NUMBER IS POSITIVE OR NEGATIVE :

PROGRAM

```
CLS
INPUT "ENTER THE NUMBER" ,N
IF (N=0) THEN
PRINT "NUMBER IS ZERO"
ELSE
IF (N>0) THEN
PRINT "NUMBER IS POSITIVE"
ELSE
PRINT "NUMBER IS NEGATIVE"
END IF
END IF
END
```

RUN F5

OUTPUT

ENTER THE NUMBER 0
NUMBER IS ZERO

ENTER THE NUMBER 6
NUMBER IS POSITIVE

ENTER THE NUMBER -4
NUMBER IS NEGATIVE

PR : 17 TO ENTER DAYS IN A YEAR AND CHECK WHETHER IT IS A LEAP YEAR OR NOT :

PROGRAM

```
CLS
INPUT "ENTER THE YEAR ",YR
IF(YR%4=0) THEN
PRINT "YES, LEAP YEAR"
ELSE
PRINT "NO, LEAP YEAR"
END IF
END
```

RUN F5

OUTPUT

ENTER THE YEAR 2020
YES LEAP YEAR

ENTER THE YEAR 2015
NO, LEAP YEAR