First program

①
```
x = 50
if x > 10 :
    if x > 25 :
        print ("ok")
    if x > 60 :
        print ("good")
elif x > 40 :
    print ("average")
else :
    print ("no output")
```

Output
↓
OK

② Second program

```
x = 20
x = x + 5
x = x - 10
print (x)
x, y = x - 1, 50
print (x, y)
```

Output → 15, 14, 50.

Teacher Sign

3 Third program

```
a = 12
b = a + b
print (a and b)
```

Output
↓
error.

4 Fourth program

```
print ("x = "x)
```

Output → Error

5 Fifth program

```
a, b, c = 2, 8, 4
print (a, b, c)
c, b, a = a, b, c
print (a; b; c)
```

Output → 2, 8, 4 error

6 Sixth program

```
else = 21 - 4
```

output → error

7 Seventh Program

```
y = x + 5
print (x, y)
```

Output → Error

8 Eighth Program

```
a = input ("Value:")
b = a/2
print (a, b)
```

Output → Error

9 Ninth program

```
print (x = y = 5)
```

Output → Error

10 10th program

:- Area of circle :-

```
r = float(input("Enter radius="))
area = 3.14*r*r
print("Area of circle=", area)
```

Output → Radius value = 35
Then area of circle is = 3846.5

11 11th program

:- Area of triangle :-

```
a = float(input("Enter the value of a="))
b = float(input("Enter the value of b="))
c = float(input("Enter the value of c="))
s = (a+b+c)/2
area=(s*(s-a)*(s-b)*(s-c)**0.5)
print("Area of triangle" area)
```

Output → the value of a = 6
the value of b = 8
the value of c = 3
} → User input
Area of triangle is = 24.91

12 12th Program
:- Find SI :-

```
(Xp = float("enter value of p")) X X

p = float(input("enter value of p"))
r = float(input("enter value of r"))
t = float(input("enter value of t"))
SI = (p x r x t)/100
print("SI=" SI)
```

Output → value of p = 40
value of r = 12
value of t = 45
} User Input
SI = 0.97