2

i**=**1

3

**while** i**<=**5:

4

j**=**0

5

**while** i**>**j:

6

print("\*",end**=**" ")

7

j**=**j**+**1;

8

print(end**=**"\n")

9

i**=**i**+**1;

\*

\* \*

\* \* \*

\* \* \* \*

\* \* \* \* \*

In [2]:



1

n**=**int(input("enter the no"))

2

i**=**1

3

**while** i**<=**10:

4

print(n,"X",i,end**=**"=")

5

print(n**\***i)

6

print("\n")

7

i**+=**1

8

​

enter the no7

7 X 1=7

7 X 2=14

7 X 3=21

7 X 4=28

7 X 5=35

7 X 6=42

7 X 7=49

7 X 8=56

7 X 9=63

7 X 10=70

In [3]:



1

**from** math **import** sqrt

2

​

3

print("Quadratic function : (a \* x^2) + b\*x + c")

4

a **=** float(input("a: "))

5

b **=** float(input("b: "))

6

c **=** float(input("c: "))

7

​

8

r **=** b**\*\***2 **-** 4**\***a**\***c

9

​

10

**if** r **>** 0:

11

num\_roots **=** 2

12

x1 **=** (((**-**b) **+** sqrt(r))**/**(2**\***a))

13

x2 **=** (((**-**b) **-** sqrt(r))**/**(2**\***a))

14

print(x1, x2)

15

**elif** r **==** 0:

16

num\_roots **=** 1

17

x **=** (**-**b) **/** 2**\***a

18

print("There is one root: ", x)

19

**else**:

20

print(**-** b **/** (2**\***a) , " + i", sqrt(r))

21

print(**-** b **/** (2**\***a) , " - i", sqrt(r))

Quadratic function : (a \* x^2) + b\*x + c

a: 1

b: 4

c: 4

There is one root: -2.0

In [4]:



1

​

2

n**=**int(input("enter the values"))

3

i**=**0

4

s**=**0

5

**while** n**>**0:

6

**if** n**%**2**==**1:

7

s**=**s**+**10**\*\***i

8

n**=**n**//**2;

9

i**+=**1

10

print(s)

enter the values4

100

In [5]:



1

n**=**int(input("enter the value"))

2

a**=**0

3

b**=**1

4

**if** n**==**1:

5

print(a)

6

**elif** n**==**2:

7

print(a,b)

8

**else**:

9

i**=**3

10

11

**while** i**<=**n:

12

c**=**a**+**b

13

**if** i**==**3:

14

print(a,b,c,end**=**" ")

15

**else**:

16

print(c)

17

a**=**b

18

b**=**c

19

i**+=**1

enter the value4

0 1