

92. Write a program to display the following pattern:

In [6]:

```
"""
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *
"""
for i in range(1,6):
    for j in range(1,6):
        print("*",end=" ")
    print("\n")
```

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

93. Write a program to display the following pattern:

```
*
. *
```

```
In [10]: for i in range(1,6):
          for j in range(1,i+1):
              print("*",end=" ")
          print("\n")
```

```
*

*  *

*  *  *

*  *  *  *

*  *  *  *  *
```

94. Write a program to display the following pattern:

```
1 1 2 1 2 3 1 2 3 4 1 2 3 4 5
```

```
In [17]: for i in range(1,6):
          for j in range(1,i+1):
              print(j,end=" ")
          print("\n")
```

```
1

1 2

1 2 3

1 2 3 4

1 2 3 4 5
```

95. Write a program to display the following pattern:

```
1 2 2 3 3 3 4 4 4 4 5 5 5 5 5
```

```
In [43]: for i in range(1,6):
          for j in range(1,i+1):
              print(i,end=" ")
          print("\n")
```

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

96. Write a program to display the following pattern:

```
ABBCCDDDEEEEE
```

```
In [30]: for i in range(65,70):
          for j in range(65,i+1):
              print(chr(i),end=" ")
          print("\n")
```

```
A
B B
C C C
D D D D
E E E E E
```

97. Write a program to display the following pattern:

```
•   ■   ° *11111
```

```
• *
•
```

```
In [36]: for i in range(1,6):
          for j in range(0,6-i):
              print("*",end=" ")
          print("\n")
```

```
* * * * *
```

```
* * * *
```

```
* * *
```

```
* *
```

```
*
```

98 Write a program to display the following pattern:

```
1 2 3 4 5 1 2 3 4 1 2 3 1 2 1
```

```
In [41]: for i in range (1,6):
          for j in range(1,7-i):
              print(j,end=" ")
          print("\n")
```

```
1 2 3 4 5
```

```
1 2 3 4
```

```
1 2 3
```

```
1 2
```

```
1
```

In []: #99 Write a program to display the following pattern:

```
      *
    * * *
  * * * *
* * * * *
* * * * *
```

```
In [5]: row=int(input("enter the number: "))
k=2*row -3
for i in range (0,row):
    for j in range (0,k):
        print(end=" ")
    k=k-1
    for j in range(0,i+1):
        print("*",end=" ")
    print("\r ")
```

enter the number: 6

```

      *
    * *
  * * *
* * * *
* * * * *
* * * * *

```

100. Write a program to display the following pattern:

```
"" 1 2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5 ""
```

```
In [18]: row=int(input("enter desire row : "))
for i in range (1,row+1):
    for j in range(1,i+1):
        print(j, end=" ")
    for j in range(i-1,0,-1):
        print(j,end=" ")
    print(j)
```

enter desire row : 5

```

1 1
1 2 1 1
1 2 3 2 1 1
1 2 3 4 3 2 1 1
1 2 3 4 5 4 3 2 1 1

```

In []:

116. Write a program to print the following sequence of integers. 0, 5, 10, 15, 20, 25

```
In [27]: num=int(input("enter number : "))
a=0
while a<=num:
    if a%5==0:
        print(a,end=" ")
    a=a+1
```

```
enter number : 25
0 5 10 15 20 25
```

117. Write a program to print the following sequence of integers. 0, 2, 4, 6, 8, 10

```
In [31]: a=int(input("enter a number: "))
z=0
while z<=a:
    if z %2==0:
        print(z,end=" ")
    z=z+1
```

```
enter a number: 10
0 2 4 6 8 10
```

118. Write a program to Find the Sum of A.P Series.

```
In [37]: a1=int(input("enter first(a) value: "))
n=int(input("enter total n value "))
d=int(input("enter d value :"))
an=(a1+(n-1))*d
tn=(n*(2*a1+(n-1)*d))/2
print("sum of A.P :",tn)
print("totla term of A.P :",an)
```

```
enter first(a) value: 1
enter total n value 50
enter d value :2
sum of A.P : 2950.0
totla term of A.P : 100
```

119. Write a program to Find the Sum of G.P Series.

```
In [ ]:
```

