

Patterns Day – 2 and Task - 2

REVISION:-

```
rows = 5

n = 65

for i in range(1,rows+1):
    for j in range(1,i+1):1,2,3
        print(chr(n),end="")
    n+=1
    print()
```

o/p:

A

BB

CCC

DDDD

EEEE

```
rows = 5

n = 65

for i in range(1,rows+1):
    for j in range(1,i+1):
        print(chr(n),end="")
    n+=1
    print()
```

o/p:

A

BC

DEF

GHIJ

KLMNO

```
rows = 5
```

```
for i in range(1,rows+1):
```

```
    n = 65
```

```
    for j in range(1,i+1):1,2
```

```
        print(chr(n),end="")
```

```
        n+=1
```

```
    print()
```

o/p:

A

AB

ABC

ABCD

ABCDE

```
rows = 5
```

```
n = 65
```

```
for i in range(1,rows+1):  
    for j in range(1,i+1):  
        if i % 2 == 0:  
            print(chr(n),end="")  
        else:  
            print(j,end="")  
    print()  
    if i ==2 or i == 4:  
        n+=1
```

o/p:-

1

AA

123

BBBB

12345

*

**

```
***
```

```
****
```

```
*****
```

```
rows = 5
```

```
for i in range(1,rows+1):
```

```
    print(" " * (rows-i) + "*" * i)
```

```
rows = 5
```

```
for i in range(rows):
```

```
    print(" " * i + "*" * (rows - i))
```

```
*****
```

```
****
```

```
***
```

```
**
```

```
*
```

Task -1

A

ab

ABC

abcd

ABCDE

```
rows = 5
```

```
for i in range(1,rows+1):
```

```
    m = 65
```

```
    n = 97
```

```
    for j in range(1,i+1):
```

```
        if i % 2 == 0 :
```

```
            print(chr(n),end="")
```

```
            n+=1
```

```
        else:
```

```
            print(chr(m),end="")
```

```
            m+=1
```

```
    print()
```

Task - 2

```
rows = 5

for i in range(1,rows+1):

    print(" " * (rows-i) , end= "")

    for j in range(1,i+1):

        print(j,end= "")

    print()
```

o/p:-

```
1
12
123
1234
12345
```

Task - 3

```
rows = 5

for i in range(1,rows+1):

    num = 65

    print(" " * (rows-i),end="")

    for j in range(1,i+1):

        print(chr(num),end="")

        num+=1

    print()
```

o/p:-

A

AB

ABC

ABCD

ABCDE

Task - 4

```
rows = 5
```

```
for i in range(1,rows+1):
```

```
    print(" " * (rows-i),end="")
```

```
    for j in range(1,i+1):
```

```
        print(j,end="")
```

```
    print()
```

o/p:-

1

22

333

4444

55555

Task - 5

```
rows = 5
```

```
for i in range(1,rows+1):
```

```
    num = 65
```

```
    print(" " * (rows-i),end="")
```

```
    for j in range(1,i+1):
```

```
        if i % 2 == 0:
```

```
            print(j,end="")
```

```
        else:
```

```
            print(chr(num),end="")
```

```
            num+=1
```

```
    print()
```

o/p:-

A

12

ABC

1234

ABCDE