

Simple Nested For Loop 1

Q1

write a program to print the following pattern

```
C2W  C2W  C2W
C2W  C2W  C2W
C2W  C2W  C2W
```

Solution 1:

```
class Solution1{

    public static void main(String[]args){

        for(int i=1;i<=3;i++){

            for(int j=1;j<=3;j++){

                System.out.print("C2W  ");

            }
            System.out.println();

        }

    }

}
```

Q2

write a program to print the following pattern

```
4    5    6    7
4    5    6    7
4    5    6    7
4    5    6    7
```

USE THIS FOR LOOP STRICTLY

```
for(int i =1;i<=4;i++){

    for(j=1;j<=4;j++){

    }

}
```

Solution 2:

```
class Solution2{

    public static void main(String[] args){

        for(int i=1;i<=4;i++){

            int x=4;

            for(int j=1;j<=4;j++){

                System.out.print(x + " ");
                x=x+1;

            }

            System.out.println();

        }

    }

}
```

Q3

write a program to print the following pattern

```
14  14  14  14
15  15  15  15
16  16  16  16
17  17  17  17
```

USE THIS FOR LOOP STRICTLY

```
for(int i =1;i<=4;i++){

    for(j=1;j<=4;j++){

    }

}
```

Solution 3:

```
class Solution3{

    public static void main(String[]args){

        int x=14;
```

```

        for(int i=1;i<=4;i++){
            for(int j=1;j<=4;j++){
                System.out.print(x + " ");
            }
            x++;
            System.out.println();
        }
    }
}

```

Q4

write a program to print the following pattern

```

1A  1A  1A
1A  1A  1A
1A  1A  1A

```

Solution 4:

```

class Solution4{
    public static void main(String[]args){
        for(int i=1;i<=3;i++){
            for(int j=1;j<=3;j++){
                System.out.print("1A  ");
            }
            System.out.println();
        }
    }
}

```

Q5

write a program to print the following pattern

```

12  12  12
11  11  11
10  10  10

```

Solution 5:

```

class Solution5{

    public static void main(String[]args){

        int x=12;

        for(int i=1;i<=3;i++){

            for(int j=1;j<=3;j++){

                System.out.print(x + " ");

            }
            x--;
            System.out.println();

        }

    }
}

```

Q6

write a program to print the following pattern

```

9   8   7
9   8   7
9   8   7

```

USE THIS FOR LOOP STRICTLY

```

for(int i =1;i<=3;i++){

    for(j=1;j<=3;j++){

    }

}

```

Solution 6:

```

class Solution6{

    public static void main(String[]args){

        for(int i=1;i<=3;i++){

            int x=9;

            for(int j=1;j<=3;j++){

```

```

        System.out.print(x + " ");
        x--;
    }

    System.out.println();
}
}
}

```

Q7

write a program to print the following pattern

```

D   D   D   D
D   D   D   D
D   D   D   D
D   D   D   D

```

Solution 7:

```

class Solution7{

    public static void main(String[]args){

        char ch='D';
        for(int i=1;i<=4;i++){

            for(int j=1;j<=4;j++){

                System.out.print(ch + " ");

            }
            System.out.println();

        }

    }
}

```

Q8

write a program to print the following pattern

```

d   d   d   d
c   c   c   c
b   b   b   b
a   a   a   a

```

Solution 8:

```
class Solution8{  
    public static void main(String[]args){  
        char ch='D';  
        for(char i=1 ; i<=4 ;i++){  
            for(int j=1 ; j<=4 ;j++){  
                System.out.print(ch+" ");  
            }  
            System.out.println();  
            ch--;  
        }  
    }  
}
```

Another Solution 8:

```
class Solution8{  
    public static void main(String[]args){  
        for(char i='d' ; i>='a' ;i--){  
            for(int j=1 ; j<=4 ;j++){  
                System.out.print(i+" ");  
            }  
            System.out.println();  
        }  
    }  
}
```

Q9

write a program to print the following pattern

```
C   B   A  
C   B   A  
C   B   A
```

Solution 9:

```

class Solution9{

    public static void main(String[]args){

        for(int i=1;i<=3;i++){

            char ch='C';

            for(char j= 1 ; j<=3 ;j++){

                System.out.print(ch+" ");
                ch--;
            }

            System.out.println();

        }

    }
}

```

Another Solution 9:

```

class Solution9{

    public static void main(String[]args){

        for(int i=1;i<=3;i++){

            for(char j= 'C' ; j>='A' ;j--){

                System.out.print(j+" ");

            }

            System.out.println();

        }

    }
}

```

Q10

write a program to print the following pattern

1	2	3	4
2	3	4	5
3	4	5	6
4	5	6	7

USE THIS FOR LOOP STRICTLY

```
for(int i =1;i<=4;i++){  
    for(j=1;j<=4;j++){  
    }  
}
```

HINT: row start and values of i are the same

Solution 10:

```
class Solution10{  
    public static void main(String[]args){  
        for(int i=1;i<=4;i++){  
            int x = i;  
            for(int j=1;j<=4;j++){  
                System.out.print(x + " ");  
                x++;  
            }  
            System.out.println();  
        }  
    }  
}
```