

Simple Nested For Loop 2

Q1

write a program to print the following pattern

C2W1	C2W2	C2W3
C2W1	C2W2	C2W3
C2W1	C2W2	C2W3

Solution 1:

```
class Solution1{  
    public static void main(String[] args){  
        int row=3;  
        for(int i=1;i<=row;i++){  
            int num=1;  
            for(int j=1;j<=row;j++){  
                System.out.print("C2W"+num + " ");  
                num++;  
            }  
            System.out.println();  
        }  
    }  
}
```

Q2

write a program to print the following pattern

4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	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){  
  
        int rows=4;  
        int num=4;  
  
        for(int i=1;i<=rows;i++){  
  
            for(int j=1;j<=rows;j++){  
  
                System.out.print(num + " ");  
            }  
  
            System.out.println();  
            num=num+1;  
            //num++;  
        }  
    }  
}
```

Q3

write a program to print the following pattern

14	15	16	17
15	16	17	18
16	17	18	19
17	18	19	20

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){

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

            int num=14+i-1;
            for(int j=1;j<=4;j++){

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

            }

            System.out.println();
            num=num+1;

        }

    }

}
```

Q4

write a program to print the following pattern

```
1A  2B  3C
1A  2B  3C
1A  2B  3C
```

USE THIS FOR LOOP STRICTLY

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

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

    }

}
```

Solution 4:

```
class Solution4{

    public static void main(String[] args){
```

```

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

            int num=1;
            char ch='A';
            for(int j=1;j<=3;j++){

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

            }

            System.out.println();

        }

    }
}

```

Q5

write a program to print the following pattern

26	Z	25	Y
24	X	23	W
22	V	21	U
20	T	19	S

USE THIS FOR LOOP STRICTLY

```

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

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

    }

}

```

Hint you can take two variables

Solution 5:

```

class Solution5{

    public static void main(String[] args){

        int num=26;
        char ch='Z';

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

```

```

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

            if(j%2==1){

                System.out.print(num-- + " ");

            }else{

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

            }

        }

        System.out.println();

    }

}

```

Q6

write a program to print the following pattern

1	4	9
16	25	36
49	64	81

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){

        int num=1;

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

```

```

        for(int j=1;j<=3;j++){
            System.out.print(num*num + " ");
            num++;
        }
        System.out.println();
    }
}

```

Q7

write a program to print the following pattern

1	2	9
4	25	6
49	8	81

USE THIS FOR LOOP STRICTLY

```

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

```

Solution 7:

```

class Solution7{
    public static void main(String[] args){
        int num=1;
        for(int i=1;i<=3;i++){
            for(int j=1;j<=3;j++){

```

```

        if(num%2==1){

            System.out.print(num*num + " ");
            num++;
        }else{

            System.out.print(num + " ");
            num++;
        }
    }

    System.out.println();
}
}
}

```

Q8

write a program to print the following pattern

A	b	C	d
E	f	G	h
I	j	K	l
M	n	O	p

USE THIS FOR LOOP STRICTLY

```

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

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

    }

}

```

Hint you can take two variables

Solution 8:

```

class Solution8{
    public static void main(String[] args){

        char ch='A';
        char ch1='a';

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

```

```

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

    if(j%2==0){

        System.out.print(ch1 + " ");
    }else{

        System.out.print(ch + " ");
    }
    ch1++;
    ch++;
}

System.out.println();
}
}
}

```

Q9

write a program to print the following pattern

1C3	4B2	9A1
16C3	25B2	36A1
49C3	64B2	81A1

USE THIS FOR LOOP STRICTLY

```

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

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

    }

}

```

Solution 9:

```

class Solution9{

    public static void main(String[] args){

```



```

int rows=3;
int x=1;

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

    int num=rows;
    int ch='C';

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

        System.out.print(x*x + "" + ch-- + "" + num-- + " ");
        x++;

    }

    System.out.println();

}
}

```

Another Solution 9:

```

class Solution9{

    public static void main(String[] args){

        int rows=3;
        int x=1;

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

            int num=rows;
            int ch=65+rows-1;

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

                System.out.print(x*x + "" + (char)ch + "" + num + " ");
                num--;
                ch--;
                x++;

            }

            System.out.println();

        }

    }
}

```

Q10

write a program to print the following pattern

F	5	D	3	B	1
F	5	D	3	B	1
F	5	D	3	B	1
F	5	D	3	B	1
F	5	D	3	B	1
F	5	D	3	B	1

USE THIS FOR LOOP STRICTLY

```
for(int i =1;i<=6;i++){  
    for(j=1;j<=6;j++){  
    }  
}
```

Solution 10:

```
class Solution10{  
    public static void main(String[] args){  
        int rows=6;  
        for(int i=1;i<=rows;i++){  
            int x=rows;  
            char ch='F';  
            for(int j=1;j<=rows;j++){  
                if(j%2==1){  
                    System.out.print(ch + " ");  
                }else{  
                    System.out.print(x + " ");  
                }  
                ch--;  
            }  
        }  
    }  
}
```

```

        x--;
    }

    System.out.println();
}
}
}

```

Another Solution 10:

```

class Solution10{

    public static void main(String[] args){

        int rows=6;

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

            int x=rows;
            int ch=64+rows;

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

                if(j%2==1){

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

                }else{

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

                }

                ch--;
                x--;

            }

            System.out.println();

        }

    }

}

```