

Name – Syed mubashshir ali

```
//Q 1 wap to print number 1 to 100.?
public class Q14 {
    public static void main(String[] args) {

        for(int i=1;i<=100;i++)//row

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

    }
}
```

Output

```
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23
24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44
45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65
66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86
87  88  89  90  91  92  93  94  95  96  97  98  99  100
```

```
//Q2  wap to print even numbers between 1 to 20?
public class Even {

    public static void main(String args[])
    {
        int number=20;
        System.out.print("List of even numbers from 1 to "+number+": ");
        for (int i=1; i<=number; i++)
        {

            if (i%2==0)
            {
                System.out.print(i + " ");
            }
        }

    }

}
```

Output

```
List of even numbers from 1 to 20: 2 4 6 8 10 12 14 16 18 20
```

```
}
```

```
//Q 3 wap to print cube of 1 to 5 number.
public class Q7 {
    public static void main(String[] args) {

        for(int i=1;i<=5;i++)
        {
            System.out.println("the cube is :"+i*i*i);

        }
    }
}
```

Output

```
the cube is :1
the cube is :8
the cube is :27
the cube is :64
the cube is :125
```

```
//Q 4 wap to print fibonacci series using for loop i.e adding last two results
//ex 0 1 1 2 3 5 8 13 21 34?
public class Q13 {

    public static void main(String args[])
    {
        int n = 10, Firstterm=0, Secondterm=1;
        System.out.println("fibonacci series till "+n+" term:");
        for (int i=1; i<=n;i++) {
            System.out.println(Firstterm + " ");
            int Nextterm=Firstterm + Secondterm;
            Firstterm=Secondterm;
            Secondterm=Nextterm;
        }
    }
}
```

Output

```
fibonacci series till 10 term:
0 1 1 2 3 5 8 13 21 34
```

```
//wap to print factorial of a number
// 5*4*3*2*1?
import java.util.Scanner;

public class Q2 {

    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter a num 1:");
        int num= s.nextInt();

        int factorial = 1;
```

```

        for(int i = 1; i <= num; ++i)
        {
            factorial = factorial * i;
        }
        System.out.printf("Factorial of %d = %d", num, factorial);
    }
}

```

Output

Enter a num 1:

7

Factorial of 7 = 5040

//Q 6wap to ask a number from user and print table of that number?

```

import java.util.Scanner;
public class Q8 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        System.out.println("Enter a num 1:");
        int n= s.nextInt();

        for(int i = 1; i <= 10; ++i)
        {
            System.out.println(n+"*"+i+ " = " +i*n);
        }
    }
}

```

Output

Enter a num 1:

5

5*1=5
5*2=10
5*3=15
5*4=20
5*5=25
5*6=30
5*7=35
5*8=40
5*9=45
5*10=50

//Q 8 wap to print prime numbers between 2 to 20?

```

public class Q12 {

    public static void main(String[] args) {

        int flag=0;

```

```

int i;
int n;
for(n=2;n<=20;n++)
{
flag=0;
for( i=2;i<=n/2;i++)
{
if(n%i==0)
{
flag=1;
break;
}
}

if(flag==0) System.out.print("  "+ n);
//if(i==n)
// System.out.print("  "+ n);
}
}
}

```

Output

2 3 5 7 11 13 17 19

```

/* Q9 A
*      *
*      * *
*      * * *
*      * * * *
*      * * * *
*
*
*/
public class Pattern {
public static void main(String[] args) {

for(int i=1;i<=5;i++)//row
{
for(int j=1;j<=i;j++)//column  1 2 3
{
System.out.print("*");

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

```

Output

```

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

```

```

/* Q9 B
*   1
*   1 2
*   1 2 3
*   1 2 3 4
*   1 2 3 4 5
*
*
*/

public class Q5 {
public static void main(String[] args) {

for(int i=1;i<=5;i++)//row
{
for(int j=1;j<=i;j++)//column  1 2 3
{
System.out.print(j);

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

```

Output

```

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

```

```

/*      Q9 c
*   ABCD
*   ABC
*   AB
*   A
*/

public class Q6 {
public static void main(String[] args) {

for(int i=4;i>=0;i--)//row
{int alphabet = 64;
for(int j=1;j<=i;j++)//column  1 2 3
{
System.out.print((char)(alphabet+j));

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

```

Output

ABCD
ABC
AB
A

```
/*      Q9 d
*      A B C D D C B A
*      A B C      C B A
*      A B          B A
*      A              A
*
*/
```

```
public class Q11 {
public static void main(String args[])
{
char r = 'A';
int Space=0;
for(int i=1;i<=4;i++)//row
{ r= 'A';
for(int j=4;j>=i;j--)//column  1 2 3
{
System.out.print(r);
r++;
}
for(int l=0;l<Space;l++)
{
System.out.print(" ");
}
for(int j=4;j>=i;j--)
{r--;
System.out.print(r);
}
Space = Space+2;
System.out.println();
}
}
}
```

Output

ABCDDCBA
ABC CBA
AB BA
A A

```

/*      Q9 E
*      A
*      A B
*      A B C
*      A B C D
*      A B C D E
*/

public class Q3 {
public static void main(String[] args) {
char r = 'A';
for(int i=1;i<=5;i++)//row
{ r='A';
for(int j=1;j<=i;j++)//column  1 2 3
{
System.out.print(r);
r++;
}
System.out.println();
}
}
}

```

Output

```

A
  AB
  ABC
  ABCD
  ABCDE

```

```

/*      Q9 f
*      1
*      2 2
*      3 3 3
*      4 4 4 4
*      5 5 5 5 5
*
*
*/

public class Q4 {
public static void main(String[] args) {

for(int i=1;i<=5;i++)//row
{
for(int j=1;j<=i;j++)//column  1 2 3
{
System.out.print(i);

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

```

Output

```
1
22
333
4444
55555
```