//Q 1 wap to print number 1 to 100

**package** lab3;

**public** **class** Ques1 {

**public** **static** **void** main(String[] args)

{

**for** (**int** i=1;i<=100;i++)

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

//Q 2 wap to print even numbers between 1 to 20

**package** lab3;

**public** **class** Ques2 {

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

**for**(**int** i=1;i<=20;i++)

**if**(i%2==0)

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

}

}

Output:

2 4 6 8 10 12 14 16 18 20

//Q 3 wap to print cube of 1 to 5 number.

**package** lab3;

**public** **class** Ques3 {

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

**for**(**int** i=1;i<=5;i++)

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

}

}

Output:

1 8 27 64 125

//Q 4 wap to check if a number is prime or not

**package** lab3;

**public** **class** Ques4 {

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

**int** n, count=0;

n=7;

**for**(**int** i=2;i<=n/2;i++)

{

**if**(n%i==0)

{

System.***out***.println("number is not prime");

count=1;

**break**;

}

}

**if**(count==0)

System.***out***.println("number is prime");

**else**

System.***out***.println("number is not prime");

}

}

}

Output:

number is prime

/\*Q 5 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\*/

**package** lab3;

**public** **class** Ques5 {

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

**int** x,y,z;

x=0;

y=1;

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

**for**(**int** i=1;i<=8;i++)

{

z=x+y;

System.***out***.print(" "+z);

x=y;

y=z;

}

}

}

Output:

0 1 1 2 3 5 8 13 21 34

/\*Q 6 wap to print factorial of a number

5\*4\*3\*2\*1 \*/

**package** lab3;

**import** java.util.Scanner;

**public** **class** Ques6 {

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

**int** f=1;

Scanner r=**new** Scanner(System.***in***);

System.***out***.println("Enter number");

**int** n =r.nextInt();

**for**(**int** i=1;i<=n;i++)

{

f=f\*i;

}

System.***out***.println("factorial is :"+f);

}

}

Output:

Enter number

5

factorial is :120

//Q 7wap to ask a number from user and print table of that number

**package** lab3;

**import** java.util.Scanner;

**public** **class** Ques7 {

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

Scanner r=**new** Scanner(System.***in***);

System.***out***.println("enter number");

**int** n=r.nextInt();

**for**(**int** i=1;i<=10;i++)

{

System.***out***.println(n+" \* "+i+" = "+ n\*i);

}

}

}

Output:

enter number

8

8 \* 1 = 8

8 \* 2 = 16

8 \* 3 = 24

8 \* 4 = 32

8 \* 5 = 40

8 \* 6 = 48

8 \* 7 = 56

8 \* 8 = 64

8 \* 9 = 72

8 \* 10 = 80

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

**package** lab3;

**public** **class** Ques8 {

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

**int** n, count=0;

**for**(n=2;n<=20;n++)

{

count=0;

**for**(**int** i=2;i<n/2;i++)

{

**if**(n%i==0)

{

count=1;

**break**;

}

}

**if**(count==0)

System.***out***.println(" "+n);

}

}

}

Output:

2

3

4

5

7

11

13

17

19

/\*Q 9 print patterns like

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\* \*/

**package** lab3;

**public** **class** Ques9a {

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

**for**(**int** i=1;i<=5;i++)

{

**for**(**int** j=1;j<=i;j++)

{

System.***out***.print("\*");

}

System.***out***.println();

}

}

}

Output:

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

/\*b) 1

1 2

1 2 3

1 2 3 4

1 2 3 4 5 \*/

**package** lab3;

**public** **class** Ques9b {

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

**for**(**int** i=1;i<=5;i++)

{

**for**(**int** j=1;j<=i;j++)

{

System.***out***.print(j);

}

System.***out***.println();

}

}

}

Output:

1

12

123

1234

12345

/\*c) A B C D

A B C

A B

A\*/

**package** lab3;

**public** **class** Ques9c {

**public** **static** **void** main(String args[])

{

**char** ch;

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

{

ch='A';

**for**(**int** j=4;j>=i;j--)

{

System.***out***.print(ch);

ch++;

}

System.***out***.println();

}

}

}

Output:

ABCD

ABC

AB

A

/\* A B C D D C B A

A B C C B A

A B B A

A A \*/

**package** lab3;

**public** **class** Ques9d {

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

**char** ch;

**int** gap=0;

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

{

ch='A';

**for**(**int** j=4;j>=i;j--)

{

System.***out***.print(ch);

ch++;

}

**for**(**int** l=0;l<gap;l++)

{

System.***out***.print(" ");

}

**for**(**int** j=4;j>=i;j--)

{

ch--;

System.***out***.print(ch);

}

gap=gap+2;

System.***out***.println();

}

}

}

Output:

ABCDDCBA

ABC CBA

AB BA

A A

/\* A

AB

ABC

ABCD

ABCDE \*/

**package** lab3;

**public** **class** Ques9F {

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

**char** ch;

**for**(**int** i=1;i<=5;i++)

{

ch='A';

**for**(**int** j=1; j<=i;j++)

{

System.***out***.print(ch);

ch++;

}

System.***out***.println();

}

}

}

Output:

A

AB

ABC

ABCD

ABCDE

/\* 1

2 2

3 3 3

4 4 4 4

5 5 5 5 5 \*/

**package** lab3;

**public** **class** Quest9f {

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

**for**(**int** i=1;i<=5;i++)

{

**for**(**int** j=1;j<=i;j++)

{

System.***out***.print(i);

}

System.***out***.println();

}

}

}

Output:

1

22

333

4444

55555