1.

**package** com.javaPrograms;

**public** **class** Pattern {

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

{

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

{

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

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

{

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

}

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

}

}

}

Output:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

2)

**package** com.javaPrograms;

**public** **class** Pattern {

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

{

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

{

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

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

{

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

}

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

}

**for**(**int** k=4;k>=1;k--)

{

**for**(**int** l=1;l<=k;l++)

{

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

}

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

}

}

}

Output:

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

3)

**public** **class** Pattern2 {

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

// **TODO** Auto-generated method stub

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

{

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

{

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

}

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

}

}

}

OUTPUT

1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

4)

**package** com.javaPrograms;

**public** **class** Pattern3 {

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

{

**for**(**int** i=5;i>=1;i--)

{

**for**(**int** j=i;j>=1;j--)

{

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

}

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

}

}

}

OUTPUT:

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1

5)

**package** com.javaPrograms;

**public** **class** Pattern4 {

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

{

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

{

**for**(**int** j=5;j>=i;j--)

{

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

}

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

}

}

}

OUTPUT:

5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

6)

**package** com.javaPrograms;

**public** **class** Pattern5 {

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

{

// **TODO** Auto-generated method stub

**for**(**int** i=5;i>=1;i--)

{

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

{

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

}

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

}

}

}

Output:

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

7)