

Question 1

```
package MyPack;
import java.util.*;
public class Question1 {
    public static int Factorial(int n)
    {
        if(n==0&&n==1)
        {
            return 1;
        }
        return n*Factorial(n-1);
    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        int num=sc.nextInt();
        System.out.println(Question1.Factorial(num));

    }
}
```

Question 2

```
package MyPack;

public class Question2 {

    public static void main(String[] args) {

        int a=0;
        int b=1;

        for(int i=1;i<=3;i++)
        {
            for(int j=i;j>=1;j--)
            {
                int c=a+b;
                System.out.print(c+" ");
                a=b;
                b=c;
            }
            System.out.println();
        }
    }
}
```

```
    }  
}  
}
```

Question 4

```
package MyPack;  
import java.util.*;  
public class Question4 {  
  
    public static void binary(int num)  
    {  
        int n=num;  
        if(n==0)  
            System.out.println(0);  
  
        while(n>0)  
        {  
            int digit = n%2;  
            System.out.print(digit);  
            n=n/2;  
        }  
    }  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
  
        int num = sc.nextInt();  
  
        Question4.binary(num);  
    }  
}
```

Question 3 b

```
package MyPack;
```

```

public class Question3b {

    public static void main(String[] args) {

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

```

Question 3 a

```

package MyPack;

public class Question3a {

    public static void main(String[] args) {

        for (int i=3;i>=1;i--)
        {
            for (int s=i;s>=2;s--)
            {
                System.out.print(" ");
            }
            for (int j=3;j>=i;j--)
            {
                System.out.print(j);
            }
            System.out.println();
        }

        for (int p=3;p<=2;p--)
        {

            for (int q=p+1;q<=3;q++)
            {

            }
        }
    }
}

```

