Write a program to do following process in package and display the output

1 Armstrong no between 999 to 1

2 Accept no from user and check it is prime or not

3 Accept 10 no from user and find out the greatest

```
package pack1;

public class armstrong
{
	public void arm()
	{
		System.out.print("Armstrong no between 999 to 1 : \n");

	for(int i=999;i>=1;i--)
	{
	int num=i;
	int sum=0;
	while(num>0)
	{
	int r=num%10;
	sum=sum+(r*r*r);
	num=num/10;
	}
	if(sum==i)
	{
	System.out.println(sum);
	}
	sum=0;
	}
	}
```

```
package pack2;
import java.util.Scanner;

public class prime
{
	public void pri() {

	int num,i,count=0;
	Scanner sc=new Scanner(System.in);
	System.out.println("Enter a numbers");
	 num=sc.nextInt();
  for( i=2;i<num;i++)
 {
 if(num % i == 0)
 {
	count++;
	break;
 }
 }
 if(count == 0)
```

```
System.out.println(num + " is a prime number.");
else
System.out.println(num + " is not a prime number.");
}

}
```

```
package pack3;
import java.util.Scanner;

public class great
{
public void grt() {
	int n, grt;
	Scanner sc = new Scanner(System.in);
	System.out.print("Enter the number :\n");
	n = sc.nextInt();
	int a[] = new int[n];
	System.out.println("Enter the " +n+ " number :");
	for(int i = 0; i < n; i++)
	{
	a[i] = sc.nextInt();
	}
	grt = a[0];
	for(int i = 0; i < n; i++)
	{
	if(grt< a[i])
	{
	grt = a[i];
	}
	}
	System.out.println("Greater number is:"+grt);

}

}
```

```
import pack1.armstrong;
import pack2.prime;
import pack3.great;
public class object {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		armstrong  obj=new armstrong();
		 obj.arm();
		prime obj1=new prime();
		obj1.pri();
		great obj2=new great();
		obj2.grt();
	}

}
```

Output:

```
<terminated> object [Java Application] C:\Program Files\Java\jre1.8.0_101\l
Armstrong no between 999 to 1 :
407
371
370
153
1
Enter a numbers
3
3 is a prime number.
Enter the number :
10
Enter the 10 number :
59
7
6
57
32
74
25
64
57
84
Greater number is:84
```