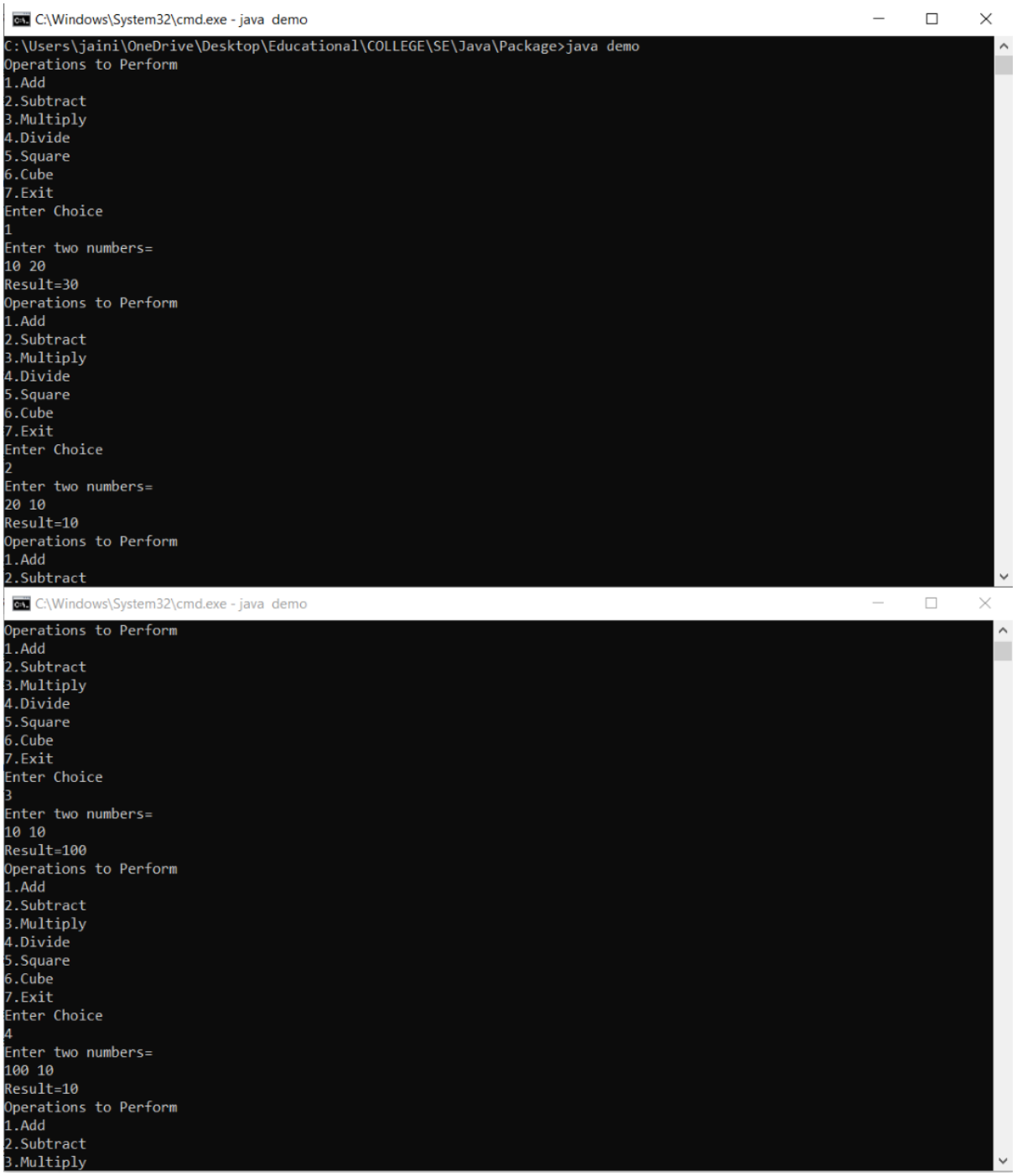
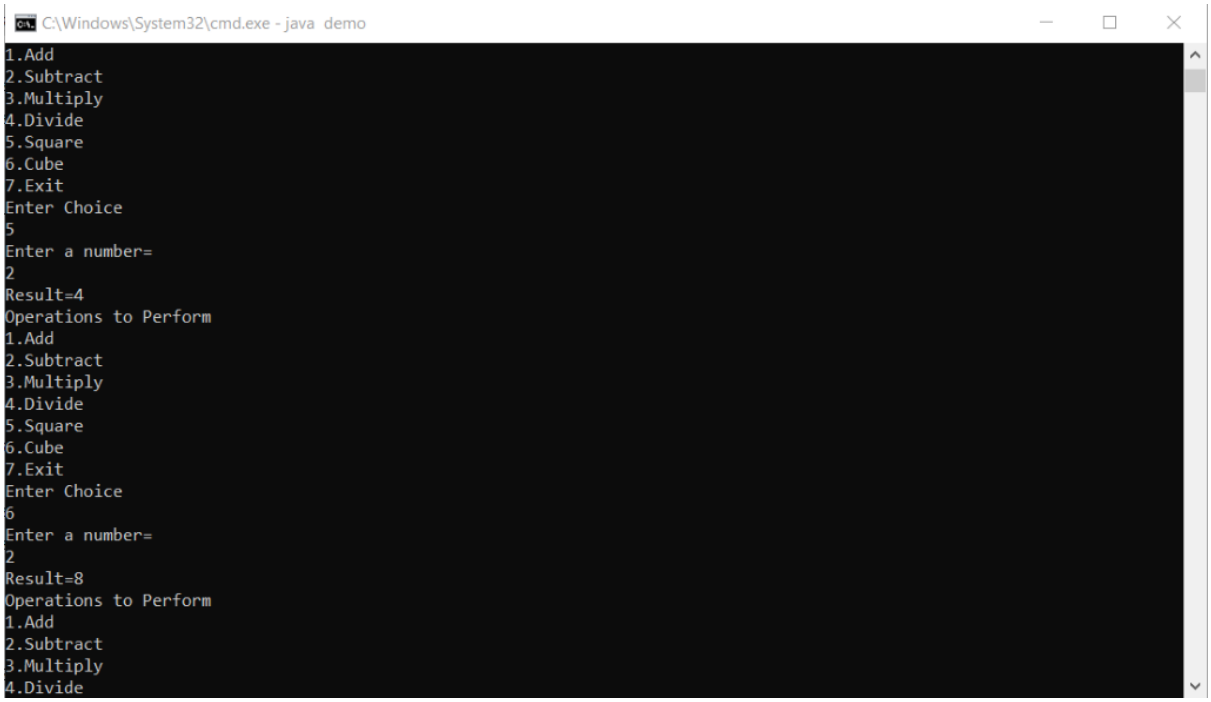
Package Program

```
//Arithmetic class
package org.calculator;
public class Arithmetic
{
   public static int add(int a,int b)
   {
      return a+b;
   }

   public static int subtract(int a,int b)
   {
      return a-b;
   }

   public static int multiply(int a,int b)
   {
      return a*b;
   }

   public static int divide(int a,int b)
   {
      return a/b;
   }
}
//CalcPower
package org.calculator;
public class CalcPower
{
   public static int square(int a)
   {
      return a*a;
   }

   public static int cube(int a)
   {
      return a*a*a;
   }
}
//Demo class
import java.util.*;
import org.calculator.Arithmetic;
import org.calculator.CalcPower;
class demo
{
   public static void main(String args[])
   {
      Scanner sc=new Scanner(System.in);
```

```
      while(true)
      {
         int x=0,a=0,b=0;
         System.out.println("Operations to
Perform\n1.Add\n2.Subtract\n3.Multiply\n4.Divide\n5.Square\n6.Cube\n7.Exit");
         System.out.println("Enter Choice");
         int choice=sc.nextInt();
         if(choice==7)
               break;
         if (choice<=4)
         {
            System.out.println("Enter two numbers=");
            a=sc.nextInt();
            b=sc.nextInt();
         }
         if (choice>4)
         {
            System.out.println("Enter a number=");
            a=sc.nextInt();
         }
         switch(choice)
         {
            case 1: x=Arithmetic.add(a,b);break;
            case 2: x=Arithmetic.subtract(a,b);break;
            case 3: x=Arithmetic.multiply(a,b);break;
            case 4: x=Arithmetic.divide(a,b);break;
            case 5: x=CalcPower.square(a);break;
            case 6: x=CalcPower.cube(a);break;
         }
         System.out.println("Result="+x);
      }
   }
}
```


C:\Windows\System32\cmd.exe - java demo
C:\Users\jaini\OneDrive\Desktop\Educational\COLLEGE\SE\Java\Package>java demo
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
1
Enter two numbers=
10 20
Result=30
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
2
Enter two numbers=
20 10
Result=10
Operations to Perform
1.Add
2.Subtract
C:\Windows\System32\cmd.exe - java demo
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
3
Enter two numbers=
10 10
Result=100
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
4
Enter two numbers=
100 10
Result=10
Operations to Perform
1.Add
2.Subtract
3.Multiply


C:\Windows\System32\cmd.exe - java demo
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
5
Enter a number=
2
Result=4
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide
5.Square
6.Cube
7.Exit
Enter Choice
6
Enter a number=
2
Result=8
Operations to Perform
1.Add
2.Subtract
3.Multiply
4.Divide