Program : Write a program for subtraction of two matrix.

Source code :

```
public class employe{

   public static void main(String[] args) {

      int rows, cols;

      int a[][] = { {4, 5, 6}, {3, 4, 1}, {1, 2, 3}     };

      int b[][] = { {2, 0, 3}, {2, 3, 1},{1, 1, 1}   };

      rows = a.length;

      cols = a[0].length;

      int diff[][] = new int[rows][cols];

        for(int i = 0; i < rows; i++){

         for(int j = 0; j < cols; j++){

            diff[i][j] = a[i][j] - b[i][j];

         } }

      System.out.println("Subtraction of two matrices: ");

      for(int i = 0; i < rows; i++){

         for(int j = 0; j < cols; j++){

            System.out.print(diff[i][j] + " ");

         }

         System.out.println();

      } } }
```

Output :

```
Subtraction of two matrices:
2 5 3
1 1 0
0 1 2
```

Program : write a program of abstract class.

```
abstract class employe {
   abstract void draw();
}
class Rectangle extends employe{
   void draw(){System.out.println("drawing rectangle");}
}
class Circle1 extends employe{
   void draw(){System.out.println("drawing circle");}
}
class TestAbstraction1{
   public static void main(String args[]){
      employe s=new Circle1();//In a real scenario, object is provided through method, e.g., getShape() method
      s.draw();
   }
}
```

Output :

```
drawing circle
```

Program : Write a java program for creating multiple catch blocks.

```
public class employe {

public static void main(String[] args) {

    try{

       int a[]=new int[5];

       a[5]=30/0;

       System.out.println(a[10]);

    }

    catch(ArithmeticException e)

    {

       System.out.println("Arithmetic Exception occurs");

    }

    catch(ArrayIndexOutOfBoundsException e)

    {

       System.out.println("ArrayIndexOutOfBounds Exception occurs");

    }

    catch(Exception e)

    {

       System.out.println("Parent Exception occurs");

    }

    System.out.println("rest of the code");

  }}
```

Output :

```
Arithmetic Exception occurs
rest of the code
```

Program : Write a java program create Threads by Extending Thread Class.

```
public class employe extends Thread {

   // initiated run method for Thread

   public void run()

   {

      System.out.println("Thread Started Running...");

   }

   public static void main(String[] args)

   {

      employe g1 = new employe();

      // invoking Thread

      g1.run();

   }

}
```

Output :

```
Thread Started Running...
```