Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

- Lecture 21 : Interface-II
- Lecture 22 : Demonstration-IX
- Lecture 23 : Exception Handling-I
- Lecture 24 : Exception Handling-II
- Lecture 25 : Exception Handling-III
- Quiz: Assignment 5
- Java Week 5:Q1
- Java Week 5: Q2
- Java Week 5: Q3
- Java Week 5: Q4
- Java Week 5: Q5
- Feedback For Week 5

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)

Java Week 5:Q1

Due on 2020-10-22, 23:59 IST

An interface Number is defined in the following program. You have to declare a class A, which will implement the interface Number. Note that the method findSqr(n) will return the square of the number n.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	-3	9	9	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2020-10-21, 14:43 IST

Your last recorded submission was :

```java
import java.util.Scanner;

interface Number {
    int findSqr(int i);  // Returns the square of n
}
//Create a class A which implements the interface Number.
class A
{
  int findSqr(int i)
  {
    i *= i;
    return i;
  }
}
public class Question5_1{
        public static void main (String[] args){
          A a = new A();   //Create an object of class A
           // Read a number from the keyboard
           Scanner sc = new Scanner(System.in);
           int i = sc.nextInt();
           System.out.print(a.findSqr(i));
    }
}

```

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;

interface Number {
    int findSqr(int i);  // Returns the square of n
}
class A implements Number {
    //Define a method to find the square of a number
     int i, square;
     public int findSqr(int i) {
         square=i*i;
            return square;
      }
}
public class Question5_1{
        public static void main (String[] args){
          A a = new A();   //Create an object of class A
           // Read a number from the keyboard
           Scanner sc = new Scanner(System.in);
           int i = sc.nextInt();
           System.out.print(a.findSqr(i));
    }
}

```