

X


<https://swayam.gov.in>

https://swayam.gov.in/nc_details/NPTEL

rajeshborate08@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**
[Announcements \(announcements\)](#)
About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview) [Ask a Question \(forum\)](#)
[Progress \(student/home\)](#) [Mentor \(student/mentor\)](#)

 Register for
Certification
exam

<https://nptelaprilexam.swayam.gov.in/>

Course outline

 How does an
NPTEL online
course work?

Week 0 :
Week 1 :
Week 2 :
Week 3 :
Week 4 :
Week 5 :

 ● Lecture 21 :
Interface-II
(unit?
unit=6&lesson=35)

Java Week 5:Q1

Due on 2020-03-05, 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

Test Case 1

Input	Expected Output	Actual Output	Status
- 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 2020-03-05, 23:03 IST

Your last recorded submission was :

```

1 import java.util.Scanner;
2
3 interface Number {
4     int findSqr(int i); // Returns the square of n
5 }
6
7 //Create a class A which implements the interface Number.
8 class A{
9     int findSqr(int i){
10         i *=i;
11         return i;
12     }
13 }
14 public class Question5_1{
15     public static void main (String[] args){
16         A a = new A(); //Create an object of class A
17         // Read a number from the keyboard

```

● Lecture 22 :
Demonstration-
IX (unit?
unit=6&lesson=36)

```

18         Scanner sc = new Scanner(System.in);
19         int i = sc.nextInt();
20         System.out.print(a.findSqr(i));
21     }
22 }
23
24

```

● Lecture 23 :
Exception
Handling-I
(unit?
unit=6&lesson=37)

Sample solutions (Provided by instructor)

Select the Language . Java ▼

● Lecture 24 :
Exception
Handling-II
(unit?
unit=6&lesson=38)

```

1 import java.util.Scanner;
2
3 interface Number {
4     int findSqr(int i); // Returns the square of n
5 }
6
7
8 class A implements Number {
9     //Define a method to find the square of a number
10    int i, square;
11    public int findSqr(int i) {
12        square=i*i;
13        return square;
14    }
15 }
16
17

```

● Lecture 25 :
Exception
Handling-III
(unit?
unit=6&lesson=39)

```

18 public class Question5_1{
19     public static void main (String[] args){
20         A a = new A(); //Create an object of class A
21         // Read a number from the keyboard
22         Scanner sc = new Scanner(System.in);
23         int i = sc.nextInt();
24         System.out.print(a.findSqr(i));
25     }
26 }
27
28

```

● Quiz :
Assignment 5
(assessment?
name=97)

● Java Week
5:Q1
(/noc20_cs08/progassignment?
name=133)

● Java Week 5:
Q2
(/noc20_cs08/progassignment?
name=134)

● Java Week 5:
Q3
(/noc20_cs08/progassignment?
name=135)

● Java Week 5:
Q4
(/noc20_cs08/progassignment?
name=136)

● Java Week 5:
Q5
(/noc20_cs08/progassignment?
name=137)

○ Feedback For
Week 5 (unit?
unit=6&lesson=141)

Week 6 :

Week 7 :

**DOWNLOAD
VIDEOS**

**Assignment
Solution**