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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming In Java (course)

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## Course outline

How does an  
NPTEL online  
course work?  
( )

Week 0 : ( )

Week 1 : ( )

Week 2 : ( )

● Lecture 06 :  
Demonstration-  
II (unit?

# Week 2:Assignment 2

The due date for submitting this assignment has passed.

**Due on 2023-08-09, 23:59 IST.**

As per our records you have not submitted this assignment.

1)

**1 point**

Consider the following code segment:

```
1 class Question{
2     public static void main(String args){
3         System.out.print("Welcome to NPTEL");
4     }
5 }
```

Identify the line number(s) where there is/are error(s) in the above code.

- a. 1
- b. 2
- c. 3
- d. 4 and 5

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

unit=26&lesson=27)

● Lecture 07 :  
Encapsulation  
(unit?  
unit=26&lesson=28)

● Lecture 08 :  
Demonstration-III (unit?  
unit=26&lesson=29)

● Lecture 09 :  
Java  
Programming  
Insights (unit?  
unit=26&lesson=30)

● Lecture 10 :  
Demonstration-IV (unit?  
unit=26&lesson=31)

○ Quiz: Week  
2:Assignment  
2  
(assessment?  
name=223)

● Week 2 :  
Programming  
Assignment 1  
(/noc23\_cs74/p  
rogassignment  
?name=224)

● Week 2 :  
Programming  
Assignment 2  
(/noc23\_cs74/p  
rogassignment  
?name=225)

● Week 2 :  
Programming  
Assignment 3  
(/noc23\_cs74/p  
rogassignment  
?name=226)

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

2)

1 point

**Consider the following code segment:**

```
1 class Question{
2     public static void main(String[] param){
3         System.out.print("Welcome to NPTEL");}}
4     }
5 }
```

Identify the line number(s) where there is error in the above code.

- a. 1
- b. 2
- c. 3
- d. 4 and 5

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

3)

1 point

● Week 2 :  
Programming  
Assignment 4  
(/noc23\_cs74/p  
rogassignment  
?name=227)

● Week 2 :  
Programming  
Assignment 5  
(/noc23\_cs74/p  
rogassignment  
?name=228)

● Week 2  
Feedback Form  
(unit?  
unit=26&lesson  
=32)

● Assignment 2  
Solution (unit?  
unit=26&lesson  
=33)

**Week 3 : ()**

**Week 4 : ()**

**Week 5 : ()**

**Week 6 : ()**

**Week 7 : ()**

**Week 8 : ()**

**Week 9 : ()**

**Week 10 : ()**

**Week 11 : ()**

**Week 12 : ()**

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**Consider the following code segment:**

```

1  class Question{
2      public static void main(String args[]){
3          for(int n=1; n<=10; n++){
4              System.out.print(n+ " ");
5          }
6      }
7  }
```

Select the correct output description for the above code.

- a. Prints first n natural numbers in a single line.
- b. Prints first n natural numbers, one number in a single line.
- c. Prints first 10 natural numbers in a single line.
- d. Prints first 10 natural numbers in a single line with no spaces.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

4)

**1 point**

**Text  
Transcripts ()**

**Consider the following code segment:**

```
1 class Question{
2     public static void main(String args[]){
3         for(int n=1; n<=100; n++){
4             System.out.print(n+ " ");
5         }
6     }
7 }
```

Modify the above code such that it prints all the even numbers till 100.

- a. Replace line 3 with for(int n=2; n<=100; n++){
- b. Replace line 3 with for(int n=1; n<=100; n+=2){
- c. Replace line 4 with System.out.print(++n + " ");
- d. Both option a and c.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

5)

**1 point**

**Following is a program given for this question.**

```
public class Question{
    public static void main(String[] args){
        int[] x = {222, 220, 022};
        for(int i = 0; i < x.length; i++){
            System.out.print(x[i] + " ");
        }
    }
}
```

**What will be the output of the above program?**

- a. 22221018
- b. 22222018
- c. 22101018
- d. 22221218

- ☐ a.

- ☐ b.  
☐ c.  
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

6)

**1 point**

**Consider the following incorrect program.**

```
1 public class Question{
2     public static void main(String[] args){
3         short x = 10;
4         x = x * 5;
5         System.out.print(x);
6     }
7 }
8 }
```

**How to correct the above code segment?**

- a. Change line 4 as `x =(short) (x * 5);`  
b. Change line 4 as `x =(short) x * 5;`  
c. Change line 4 as `x =(short) x * (short) 5;`  
d. Change line 4 as `(short) x = x * 5;`

- ☐ a.  
☐ b.  
☐ c.  
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

7)

**1 point**

**What is the output of the following program?**

```
public class Question{
    public static void main(String[] args){
        int[] A = {1,0,1};
        for(int i = 0; i < A.length; i++){
            A[i] = A[(A[i] + 3) % A.length];
        }
        for(int i = 0; i < A.length; i++){
            System.out.print(A[i]);
        }
    }
}
```

- a. 210
- b. 120
- c. 012
- d. 000

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

8)

**1 point**

**Consider the following piece of code.**

```
public class Question{
    public static void main(String[] args){
        String str = "anpctdelqjpava";
        System.out.println(str.substring(1,3)+str.substring(4,5)+
                           str.substring(6,8));
    }
}
```

**Which of the following option is the output of the above program?**

- a. java
- b. npTELjava
- c. npTEL java
- d. npTEL

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

9)

1 point

**What is the output of the following program?**

```
public class Main{
    public void static main(String args[]){
        char a = 'a';
        int b = 20;
        System.out.println(a+b);
    }
}
```

- a. 60
- b. 117
- c. 33
- d. Compilation error

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

10)

1 point

**Consider the following program.**

```
public class Question{
    public static void main(String[] args){
        int x = 5;
        x *= (2 + 8);
        System.out.println(x);
    }
}
```

**What will be the output of the program if it is executed?**

- a. 50
- b. 10
- c. Compiler error
- d. 5

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

