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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.

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**

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);
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?

```java
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.

```java
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.