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Dept. of Computer Science & Engineering

An Assignment on
Topic Constructor and Method Overloading

Course Code: CSE-2213
Course Title: Object Oriented Programming

<u>Submitted To:</u>

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<u>Date Of Submission:</u>

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Task_1.java ⊠   smartphone.java

```java
1  package Lab3;
2
3  public class Task_1 {
4
5      public static void main(String[] args) {
6          smartphone phone1=new smartphone();
7          smartphone phone2=new smartphone("sony","48mpxl",27500);
8          smartphone phone3=new smartphone("realme","108mpxl",32000);
9
10
11     }
12
13 }
14
```

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Task_1.java   smartphone.java

```java
1  package Lab3;
2
3  public class smartphone {
4      String name,camera;
5      int price;
6      smartphone(){
7          name="redmi k30i 5g";
8          camera="48mpxl";
9          price=23500;
10         System.out.println("FOR NON-PARAMETERIZED: ");
11         System.out.println("Name: "+name);
12         System.out.println("Camera: "+camera);
13         System.out.println("Price: "+price);
14
15     }
16     smartphone(String name,String camera,int price){
17         this.name=name;
18         this.camera=camera;
19         this.price=price;
20         System.out.println("FOR NON-PARAMETERIZED: ");
21         System.out.println("Name: "+name);
22         System.out.println("Camera: "+camera);
23         System.out.println("Price: "+price);
24     }
25
26
27  }
28
```

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Task_2.java ⊠   SeriesPrinter.java   Task_1.java   smartphone.java

```java
1  package Lab3;
2
3  public class Task_2 {
4
5      public static void main(String[] args) {
6          SeriesPrinter s1=new SeriesPrinter();
7          s1.printseries(5);
8          SeriesPrinter s2=new SeriesPrinter();
9          s2.printseries(5,10);
10         SeriesPrinter s3=new SeriesPrinter();
11         s3.printseries(5,10,3);
12
13     }
14
15 }
16
```

J Task_2.java   J SeriesPrinter.java ⊠   J Task_1.java   J smartphone.java

```java
 1  package Lab3;
 2
 3  public class SeriesPrinter {
 4      void printseries(int n) {
 5          System.out.print("printseries->");
 6          for(int i=0;i<n;i++) {
 7              System.out.print(""+i);
 8
 9          }
10
11      }
12      void printseries(int startindex,int endindex) {
13          System.out.println("");
14          System.out.print("printseries->");
15          for(int i=startindex;i<endindex;i++) {
16              System.out.println(""+i);
17          }
18
19      }
20      void printseries(int startindex,int endindex,int interval) {
21          System.out.println("");
22          System.out.print("printseries->");
23          for(int i=startindex;i<endindex;i+=interval) {
24          System.out.println(""+i);
25          }
26
27
28      }
```