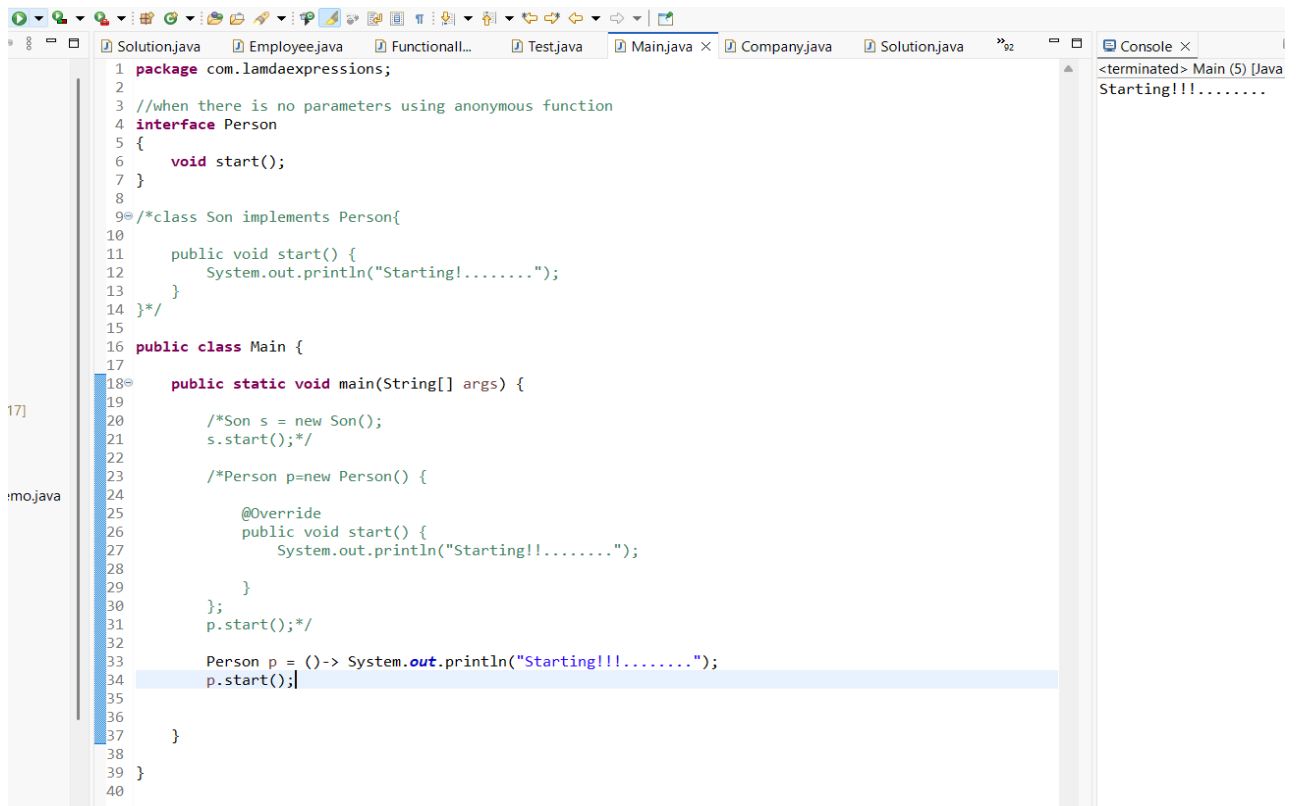


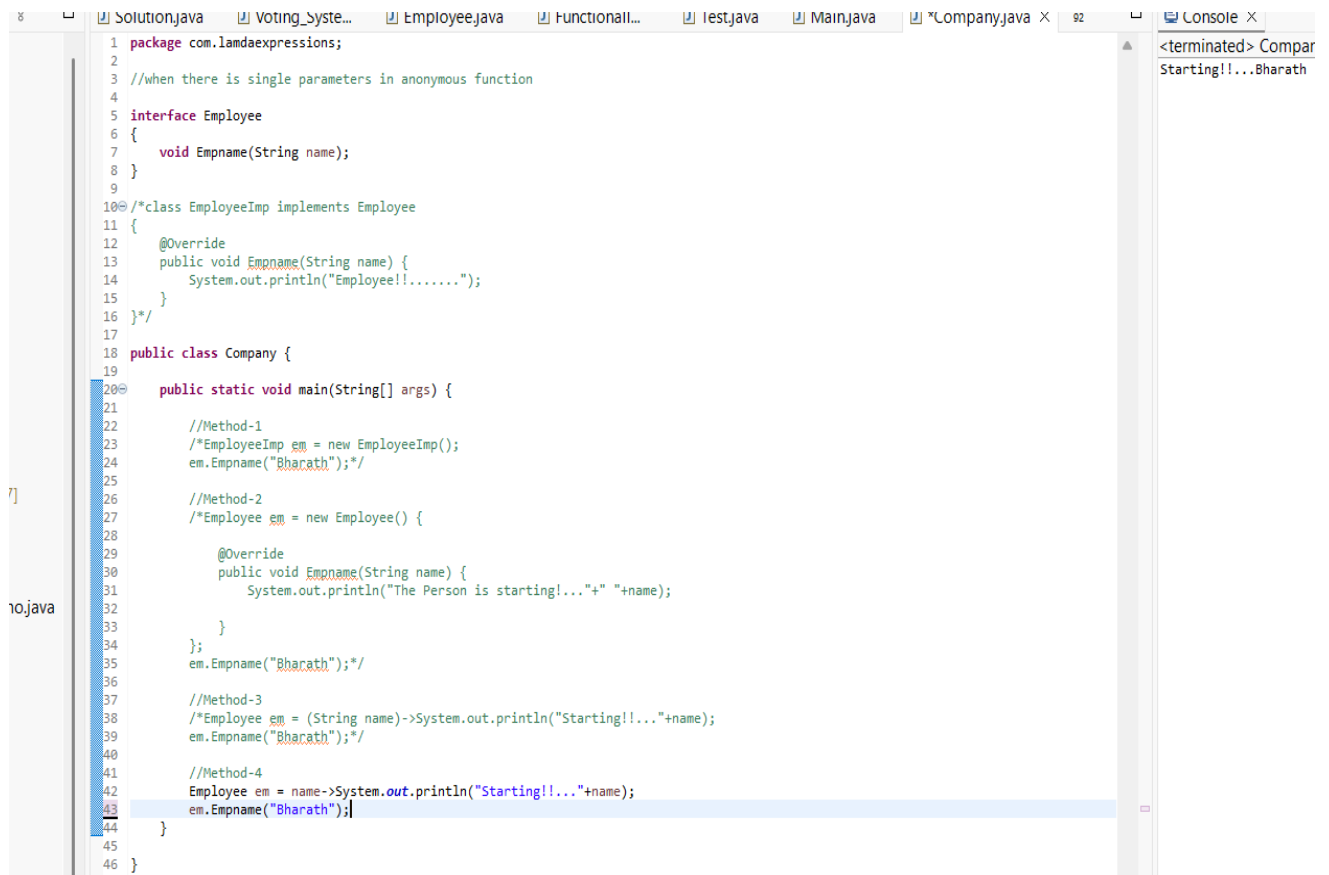
ASSIGNMENT-20

BHARATH KUMAR G R| Batch: A4| Date:30/06/2025|VSN:VS4U1298



```
1 package com.lamdaexpressions;
2
3 //when there is no parameters using anonymous function
4 interface Person
5 {
6     void start();
7 }
8
9 /*class Son implements Person{
10
11     public void start() {
12         System.out.println("Starting!.....");
13     }
14 }*/
15
16 public class Main {
17
18     public static void main(String[] args) {
19
20         /*Son s = new Son();
21         s.start();*/
22
23         /*Person p=new Person() {
24
25             @Override
26             public void start() {
27                 System.out.println("Starting!!.....");
28             }
29         };
30         p.start();*/
31
32         Person p = ()-> System.out.println("Starting!!!.....");
33         p.start();
34     }
35
36 }
37
38
39 }
40
```

Console: <terminated> Main (5) [Java Starting!!!.....



```
1 package com.lamdaexpressions;
2
3 //when there is single parameters in anonymous function
4 interface Employee
5 {
6     void Empname(String name);
7 }
8
9
10 /*class EmployeeImp implements Employee
11 {
12     @Override
13     public void Empname(String name) {
14         System.out.println("Employee!!.....");
15     }
16 }*/
17
18 public class Company {
19
20     public static void main(String[] args) {
21
22         //Method-1
23         /*EmployeeImp em = new EmployeeImp();
24         em.Empname("Bharath");*/
25
26         //Method-2
27         /*Employee em = new Employee() {
28
29             @Override
30             public void Empname(String name) {
31                 System.out.println("The Person is starting!..."+" "+name);
32             }
33         };
34         em.Empname("Bharath");*/
35
36         //Method-3
37         /*Employee em = (String name)->System.out.println("Starting!..."+" "+name);
38         em.Empname("Bharath");*/
39
40         //Method-4
41         Employee em = name->System.out.println("Starting!..."+" "+name);
42         em.Empname("Bharath");
43     }
44 }
45
46 }
```

Console: <terminated> Compar Starting!...Bharath

```
1 package com.lamdaexpressions;
2
3 //when there is two parameters in using anonymous Method/function
4
5 interface Car
6 {
7
8     void display(int a,int b);
9 }
10
11 public class Solution {
12
13     public static void main(String[] args) {
14
15         //method-1 to print
16         /*Car c = new Car() {
17
18             @Override
19             public void display(int a,int b) {
20                 System.out.println("The number is"+a+ " " +b);
21             }
22         };
23         c.display(50, 60);*/
24
25         //method-2 to print
26         /*Car c = (a,b)->System.out.println("The number is "+a is :"+a+ " "+"b is:"+
27         c.display(100,200);*/
28
29         //method-3 to print
30         Car c = (int a, int b)->System.out.println(a+b);
31         c.display(100, 200);
32
33     }
34 }
35
36 }
37
```

```
1 package com.lamdaexpressions;
2
3 //lambda expression for return type method
4
5 interface A
6 {
7
8     int add(int a,int b);
9 }
10
11 public class Test {
12
13     public static void main(String[] args) {
14
15         /*A a = new A() {
16
17             @Override
18             public int add(int a, int b) {
19
20                 return a+b;
21             }
22         };
23         int result=a.add(10, 20);
24         System.out.println(result);*/
25
26         A aa = (a,b)-> a+b;
27         int res = aa.add(10, 20);
28         System.out.println(res);
29
30     }
31
32 }
33
34 }
35
```