

- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex1**
Original value: a = 5
After prefix ++: a = 6
After postfix ++: a = 6
Final value of c1: a = 7
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$ a++ ex2.c**
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex2**
Result after addition: a = 30
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$ g++ ex3.cpp**
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex3**
Both objects are equal.
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex4**
Before assignment:
a = 0
After assignment:
a = 10
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex5**
Distance d1: 15.5 meters
Distance in float: 15.5 meters
Distance d2 (converted from Feet): 3.048 meters
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex6**
Number of employees before creation: 0
Number of employees after creation: 3
Employee ID: 1
Employee ID: 2
Employee ID: 3
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex7**
Enter principle: 4000
Enter rate (% per annum): 10
Enter time (in years): 2
Interest: 800
Amount: 4800
- **aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4\$./ex8**
Enter radius of the circle: 3
Radius: 3
Area: 28.2743

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB4$ ./ex9
Enter depositor name: Aadarsan
Enter account number: 1234
Enter account type (e.g., Savings, Current): saving
```

Account Details:

Depositor Name: Aadarsan
Account Type: saving

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB4$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB4$ ./ex10
Value: 30
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB4$
```

```
Enter item name: c
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB4$ ./ex11
Enter details of 10 items:
```

Item 1:

Enter item name: a
Enter item code: 1
Enter price: 1

Item 2:

Enter item name: b
Enter item code: 2
Enter price: 2

Item 3:

Enter item name: c
Enter item code: 3
Enter price: 3

Item 4:

Enter item name: d
Enter item code: 4
Enter price: 4

```
Item 5:  
Enter item name: e  
Enter item code: 5  
Enter price: 5
```

```
Item 6:  
Enter item name: f  
Enter item code: 6  
Enter price: 6
```

```
Item 7:  
Enter item name: g  
Enter item code: 7  
Enter price: 7
```

```
Item 8:  
Enter item name: h  
Enter item code: 8  
Enter price: 8
```

```
Item 9:  
Enter item name: i  
Enter item code: 9  
Enter price: 9
```

```
Item 10:  
Enter item name: j  
Enter item code: 10  
Enter price: 10  
  
Displaying item details:  
Item Name: a, Code: 1, Price: 1  
Item Name: b, Code: 2, Price: 2  
Item Name: c, Code: 3, Price: 3  
Item Name: d, Code: 4, Price: 4  
Item Name: e, Code: 5, Price: 5  
Item Name: f, Code: 6, Price: 6  
Item Name: g, Code: 7, Price: 7  
Item Name: h, Code: 8, Price: 8  
Item Name: i, Code: 9, Price: 9  
Item Name: j, Code: 10, Price: 10
```


● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB5\$./ex1

Display function of Derived class.

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex2

The sum of the two numbers is: 30

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex3

Total Amount: 31 Rs 25 Paisa

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex4

Total Amount: 31 Rs 25 Paisa

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex5

Total Amount in NPR: 396 Rs 80 Paisa

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex6

Roll No: 101, Name: John Doe

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$./ex7

Constructor called

Copy constructor called

Constructor called

Assignment operator called

obj1: x = 10

obj2: x = 10

obj3: x = 10

△ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Practical/LAB5\$ █

```
aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6$ ./ex1
Adding int and double:
Sum = 11.7
Adding float and long:
Sum = 13.5
```

```
aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6$
```

```
Sum = 15.5
```

- aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6\$./ex2
First: 10, Second: 15.5
First: Books, Second: 5
First: A, Second: 99.99

```
aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6$
```

- aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6\$./ex3
Enter two numbers (a and b): 5
0
Exception caught: Division by zero is not allowed!

```
aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6$
```

- aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6\$./ex4
Enter numerator: 5
Enter denominator: 0
Error: Division by zero!

- aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6\$./ex4
Enter numerator: 3
Enter denominator: -2
Error: Denominator cannot be negative. Code: -1

```
aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6$
```

- aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/OOP/Pratical/LAB6\$./ex5
Enter your age: 13
Exception caught: Age 13 is less than 18. Access denied.