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• 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$ g++ ex2.c
```

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• 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$
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• aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Pratical/LAB4$ g++ ex3.c
• 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$
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• 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$
```

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• 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$
```

```
• 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$
```

```
• 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$
```

```
• 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-2/00P/Pratical/LAB4$
```

```
• aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/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-2/00P/Practical/LAB4$
```

```
• aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB4$ ./ex10
Value: 30
• aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB4$
```

```
Enter item name: c
• aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/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-2/00P/Practical/LAB5$ ./ex1
Display function of Derived class.
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$ ./ex2
The sum of the two numbers is: 30
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$ ./ex3
Total Amount: 31 Rs 25 Paisa
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$ ./ex4
Total Amount: 31 Rs 25 Paisa
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$ ./ex5
Total Amount in NPR: 396 Rs 80 Paisa
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$ ./ex6
Roll No: 101, Name: John Doe
❖ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/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-2/00P/Practical/LAB5$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$ ./ex1
Adding int and double:
Sum = 11.7
Adding float and long:
Sum = 13.5
◆ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$ ./ex2
First: 10, Second: 15.5
First: Books, Second: 5
First: A, Second: 99.99
◆ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/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-2/00P/Practical/LAB6$
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```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$ ./ex4
Enter numerator: 5
Enter denominator: 0
Error: Division by zero!
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$ ./ex4
Enter numerator: 3
Enter denominator: -2
Error: Denominator cannot be negative. Code: -1
◆ aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$
```

```
● aadarsan@aadarsan-Modern-14-B11SB:~/CSIT/Sem-2/00P/Practical/LAB6$ ./ex5
Enter your age: 13
Exception caught: Age 13 is less than 18. Access denied.
```