

File Edit Selection View Go Run Terminal Help C++ Programming

EXPLORER

- C++ PROGRAMMING
 - .vscode
 - Assignment1
 - admin.cpp
 - admin.exe M
 - complex.cpp M
 - complex.exe M
 - date.cpp
 - date.exe M
 - distance.cpp
 - distance.exe M
 - employee.cpp
 - employee.exe M
 - hr.cpp
 - hr.exe M
 - product.cpp
 - product.exe M
 - salesManager.cpp**
 - salesManager.exe M
 - student.cpp
 - student.exe M
 - time.cpp
 - time.exe
 - Assignment2
 - Operator Overloading
 - complex.cpp
 - complex.exe
 - distance.cpp
 - distance.exe
 - thisP
 - area.cpp
 - OUTLINE
 - TIMELINE

Assignment1 > salesManager.cpp > SalesManager > SalesManager()

```
4 struct SalesManager {
74 };
75
76 int main() {
77     SalesManager sm1;
78     printf("values before setting : \n");
79     sm1.display();
80
81     sm1.setId(1);
82     sm1.setName("Rahul");
83     sm1.setSalary(70000);
84     sm1.setIncentive(5000);
85     sm1.setTarget(100);
86     printf("-----\n");
87     printf("values after setting : \n");
88     sm1.display();
89
90     printf("-----\n");
91     printf("parameterized constructor : \n");
92     SalesManager sm2(2, "Kedar", 80000, 7000, 150);
93     sm2.display();
94 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

ID: 1
Name: Rahul
Salary: 70000.00
Incentive: 5000.00
Target: 100

parameterized constructor :
ID: 2
Name: Kedar
Salary: 80000.00
Incentive: 7000.00
Target: 150

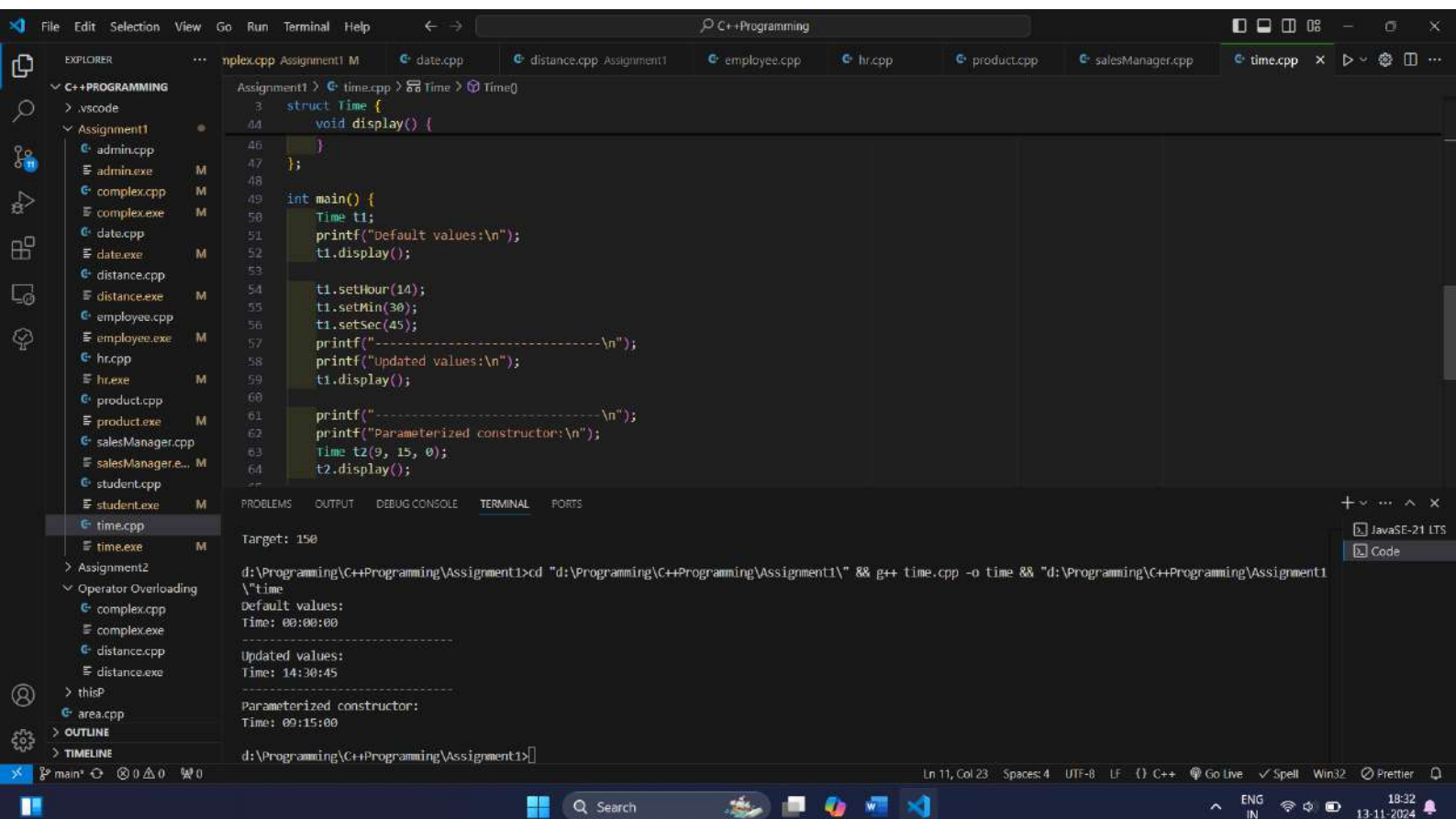
d:\Programming\C++Programming\Assignment1>

Ln 13, Col 36 Spaces: 4 UTF-8 LF C++ Go Live 2 Spell Win32 Prettier

main* 0 0 0 0

JavaSE-21 LTS Code

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File Edit Selection View Go Run Terminal Help

complex.cpp Assignment1 complex.cpp Operator Overloading student.cpp x distance.cpp

EXPLORER

C++PROGRAMMING

.vscode

Assignment1

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Assignment2

Operator Overloading

- complex.cpp
- complex.exe
- distance.cpp
- distance.exe

thisP

area.cpp

OUTLINE

TIMELINE

main*

Assignment1 > student.cpp > main()

```
3 struct Student{
35 void display(){
37     printf("Name of student is : %s\n",this->name);
38     printf("Marks of student is : %d\n",this->marks);
39 }
40 }
41 };
42 int main(){
43     Student s1;
44     printf("values before setting : \n");
45     s1.display();
46     s1.setRollNo(10);
47     s1.setMarks(50);
48     s1.setName("Vishal");
49     printf("-----\n");
50     printf("values after setting : \n");
51     s1.display();
52     printf("-----\n");
53     printf("parameterized constructor : \n");
54     Student s2(20,"raahul",70);
55     s2.display();
56 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

values before setting :
Roll no. is : 0
Name of student is : none
Marks of student is : 0

values after setting :
Roll no. is : 10
Name of student is : Vishal
Marks of student is : 50

parameterized constructor :
Roll no. is : 20
Name of student is : rahul
Marks of student is : 70

Ln 50, Col 41 Spaces: 4 UTF-8 LF C++ Go Live 7 Spell Win32 Prettier

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admin.cpp

```
Assignment1 > admin.cpp > Admin > Admin()
4 struct Admin {
28 void setName(char* name) {
31
32 void setSalary(float salary) {
33     this->salary = salary;
34 }
35
36 void setAllowance(float allowance) {
37     this->allowance = allowance;
38 }
39
40 int getId() {
41     return this->id;
42 }
43
44 char* getName() {
45     return this->name;
46 }
47
48 float getSalary() {
49     return this->salary;
50 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Salary: 0.00
Allowance: 0.00

values after setting :
ID: 1
Name: Vishal
Salary: 80000.00
Allowance: 5000.00

parameterized constructor :
ID: 2
Name: Vishwajeet
Salary: 90000.00
Allowance: 6000.00

Ln 11, Col 22 Spaces: 4 UTF-8 LF C++ Go Live 2 Spell Win32 Prettier

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complex.cpp Assignment1 M x complex.cpp Operator Overloading student.cpp admin.cpp distance.cpp

Assignment1 > complex.cpp > main()

```
59 int main(){
60     complex c3;
61     c3=c1.add(c2);
62     printf("Addition = ");
63     c3.display();
64
65     c3=c1.sub(c2);
66     printf("Subtraction = ");
67     c3.display();
68
69     c3=c1.mul(c2);
70     printf("Multiplication = ");
71     c3.display();
72
73     c3=c1.div(c2);
74     printf("Division = ");
75     c3.display();
76
77     // Complex c4;
78     // c4=c1+c2; //c1.operator+(c2)
79     // printf("Operator Overloading = ");
80     // c4.display();
81 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

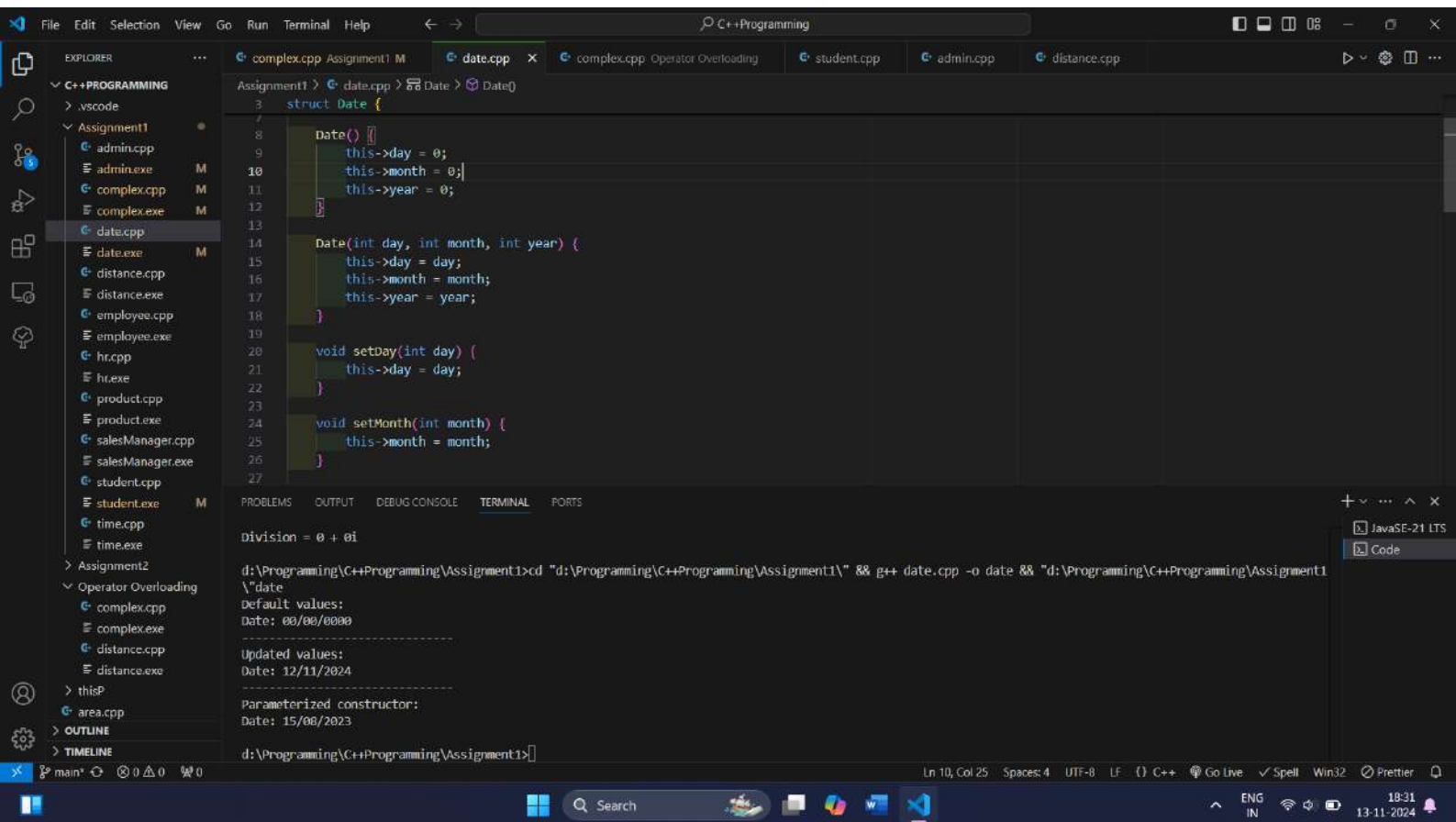
Name: Vishwajeet
Salary: 90000.00
Allowance: 6000.00

d:\Programming\C++Programming\Assignment1>cd "d:\Programming\C++Programming\Assignment1\" && g++ complex.cpp -o complex && "d:\Programming\C++Programming\Assignment1\"complex
10 + 20i
15 + 25i
Addition = 25 + 45i
Subtraction = -5 + -5i
Multiplication = 150 + 500i
Division = 0 + 0i

d:\Programming\C++Programming\Assignment1>

Ln 75, Col 18 Spaces: 4 UTF-8 LF C++ Go Live Spell Win32 Prettier

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Assignment1 > distance.cpp > Distance > Distance(int, int)

```
62 int main() {
63     print("DEFAULT VALUES: \n");
64     d1.display();
65     d1.setFeet(5);
66     d1.setInch(11);
67     printf("-----\n");
68     printf("Updated values:\n");
69     d1.display();
70     printf("-----\n");
71     printf("Parameterized constructor:\n");
72     Distance d2(6, 2);
73     d2.display();
74     Distance d3;
75     d3=d1.add(d2);
76     printf("----- Addition ----- \n");
77     d3.display();
78     d3=d1.sub(d2);
79     printf("----- subtraction ----- \n");
80     d3.display();
81 }
82
83
84
```

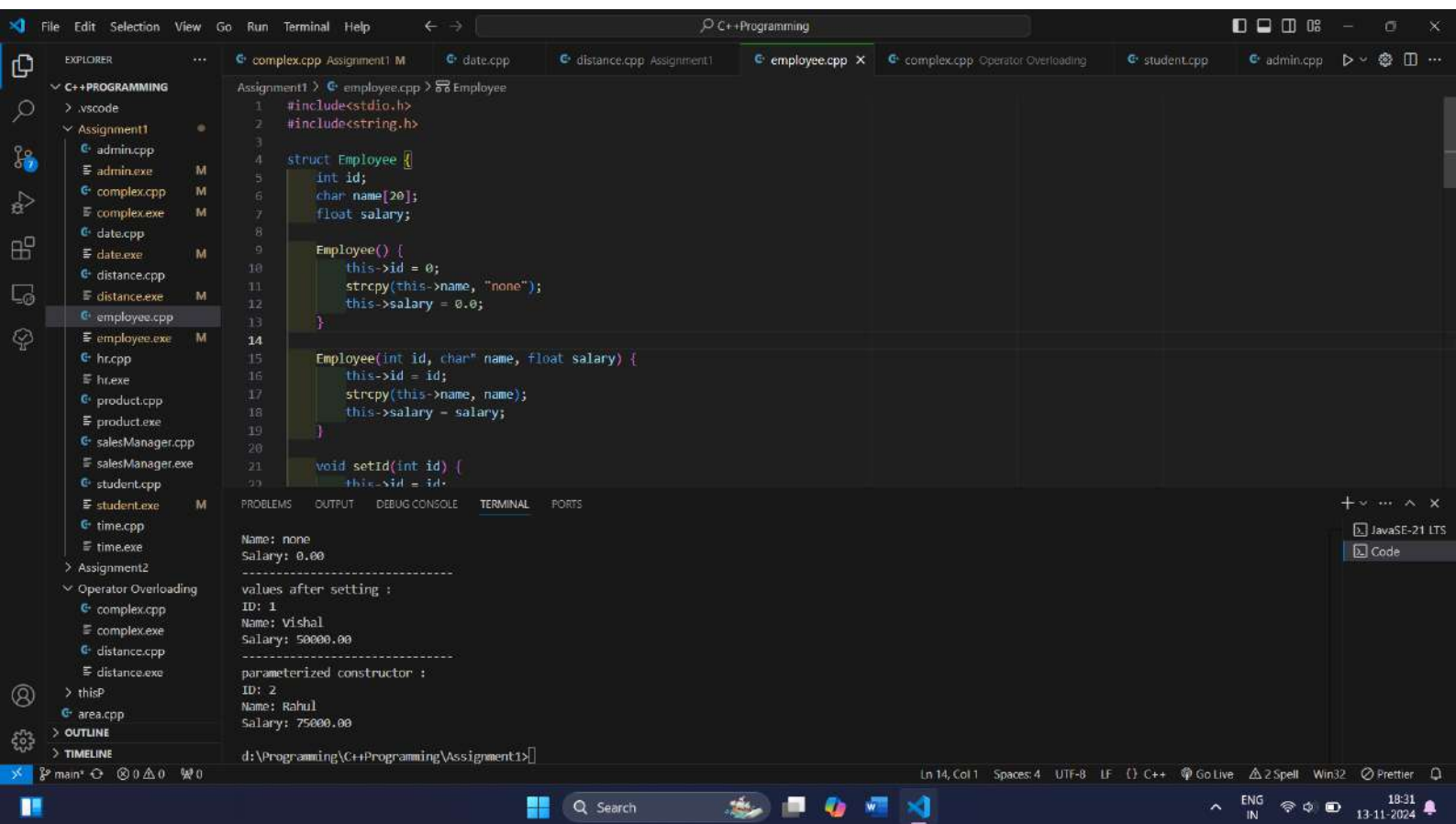
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Distance: 5 feet 11 inches
Parameterized constructor:
Distance: 6 feet 2 inches
----- Addition -----
Distance: 11 feet 13 inches
----- subtraction -----
Distance: -1 feet 9 inches
----- Multiplication -----
Distance: 30 feet 22 inches
----- Division -----
Distance: 0 feet 5 inches

d:\Programming\C++Programming\Assignment1>

Ln 13, Col 27 Spaces: 4 UTF-8 LF C++ Go Live Spell Win32 Prettier

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complex.cpp Assignment1 M date.cpp distance.cpp Assignment1 employee.cpp hr.cpp x complex.cpp Operator Overloading student.cpp

Assignment1 > hr.cpp > HR > HR()

```
4 struct HR {
63
64 int main() {
65     HR hr1;
66     printf("values before setting : \n");
67     hr1.display();
68
69     hr1.setId(1);
70     hr1.setName("Vishwajeet");
71     hr1.setSalary(65000);
72     hr1.setCommission(3000);
73     printf("-----\n");
74     printf("values after setting : \n");
75     hr1.display();
76
77     printf("-----\n");
78     printf("parameterized constructor : \n");
79     HR hr2(2, "Ronit", 72000, 4000);
80     hr2.display();
81
82     return 0;
83 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

values after setting :
ID: 1
Name: Vishwajeet
Salary: 65000.00
Commission: 3000.00

parameterized constructor :
ID: 2
Name: Ronit
Salary: 72000.00
Commission: 4000.00

d:\Programming\C++Programming\Assignment1>

Ln 10, Col 11 Spaces: 4 UTF-8 LF C++ Go Live 2 Spell Win32 Prettier

main* 0 0 0 0

JavaSE-21 LTS Code

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complex.cpp Assignment1 M date.cpp distance.cpp Assignment1 employee.cpp hr.cpp product.cpp x complex.cpp Operator Overloading

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product.cpp

```
4 struct Product {
62 };
63
64 int main() {
65     Product p1;
66     printf("Default values:\n");
67     p1.display();
68
69     p1.setId(101);
70     p1.setName("Laptop");
71     p1.setQuantity(5);
72     p1.setPrice(55000.0);
73     printf("-----\n");
74     printf("Updated values:\n");
75     p1.display();
76
77     printf("-----\n");
78     printf("Parameterized constructor:\n");
79     Product p2(102, "Mobile", 10, 15000.0);
80     p2.display();
81 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Updated values:
Product ID: 101
Name: Laptop
Quantity: 5
Price: 55000.00

Parameterized constructor:
Product ID: 102
Name: Mobile
Quantity: 10
Price: 15000.00

d:\Programming\C++Programming\Assignment1>

Ln 12, Col 36 Spaces: 4 UTF-8 LF C++ Go Live Spell Win32 Prettier

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