



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

EXPLORER

- ▼ C++PROGRAMMING
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 - program2.exe
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 - program3.exe
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 - alternateEle.exe
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 - minMax.cpp
 - prime.cpp

program1.cpp Assignment5 U

```
132 struct SalesManager :public Employee
133 {
134     struct Admin:public Employee
135     {
136         double allowance;
137         Admin():Employee()
138         {
139             cout<<"\nemp allowance:";
140             this->allowance=0.0;
141         }
142         Admin(int a,char* b,double c,double d):Employee(a,b,c)
143         {
144             this->allowance=d;
145         }
146         void getallowance(double d)
147         {
148             this->allowance=d;
149         }
150         double getallowance()
151         {
152             return this->allowance;
153         }
154         void display()
155         {
156             Employee::display();
157             cout<<"\nemp allowance:"<<this->allowance;
158         }
159     };
160 };
161 int main()
162 {
163     Employee* ep; //generic pointer
164     Employee e1(101,"Sachin",200000);
165     ep=&e1;
166     ep->display();
167
168     SalesManager s1(102,"Rahul",30000,300,30);
169     ep=&s1;
170     ep->display();
171
172     Admin a1(103,"Virat",40000,40);
173     ep=&a1;
174     ep->display();
175 }
```

Code

```
Name of Player : messi
Age of Player : 36

Name of Player : Virat
Age of Player : 34

d:\Programming\C++Programming\Assignment5>cd "d:\P
rogramming\C++Programming\Assignment5\" && g++ prog
ram1.cpp -o program1 && "d:\Programming\C++Program
ing\Assignment5\program1
program1.cpp: In function 'int main()':
program1.cpp:164:33: warning: ISO C++ forbids conv
erting a string constant to 'char*' [-Wwrite-string]
    Employee e1(101,"Sachin",200000);
                          ^
program1.cpp:168:45: warning: ISO C++ forbids conv
erting a string constant to 'char*' [-Wwrite-string]
    SalesManager s1(102,"Rahul",30000,300,30);
                          ^
program1.cpp:172:34: warning: ISO C++ forbids conv
erting a string constant to 'char*' [-Wwrite-string]
    Admin a1(103,"Virat",40000,40);
                          ^

emp id:101
emp name:Sachin
emp salary:200000
emp id:102
emp name:Rahul
emp salary:30000
emp incentive:300
emp target:30
emp id:103
emp name:Virat
emp salary:40000
emp allowance:40
d:\Programming\C++Programming\Assignment5>
```

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EXPLORER Assignment5 U program2.cpp Assignment5 U program3.cpp Assignment5 U program4.cpp Assignment5 U program5.cpp Assignment5 U

Assignment5 > program5.cpp >...

```
33 class Criketer:public Player{
34     Criketer(char* name,int age,int rns):Player(name,age){
41     }
42     void setRuns(int rns){
43         this->runs=rns;
44     }
45     int getRuns(){
46         return runs;
47     }
48     void display(){
49         Player::display();
50         cout<<"Runs of Criket player : "<<runs<<endl;
51     }
52 };
53 class Footballer:public Player{
54     public:
55     int goals;
56     Footballer():Player(){
57         this->goals=0;
58     }
59     Footballer(char* name,int age,int goals):Player(name,age){
60         this->goals=goals;
61     }
62     void setGoals(int goals){
63         this->goals=goals;
64     }
65     int getGoals(){
66         return goals;
67     }
68     void display(){
69         Player::display();
70         cout<<"Goals of Football Player : "<<goals<<endl;
71     }
72 };
73 int main(){
74     Player* p;
75     Footballer f("messi",36,800);
76     p=&f;
77     p->display();
78     cout<<endl;
79
80     Criketer c("Virat",34,12000);
81     p=&c;
82     p->display();
83 }
```

program5.cpp: In function 'int main()':
program5.cpp:75:32: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
Footballer f("messi",36,800);
^
program5.cpp:80:32: warning: ISO C++ forbids converting a string constant to 'char*' [-Wwrite-strings]
Criketer c("Virat",34,12000);
^
Name of Player : messi
Age of Player : 36

Name of Player : Virat
Age of Player : 34

d:\Programming\C++Programming\Assignment5>

main 0 0 0 0

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