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Assignment No3 Solution CS 201

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```
#include  
#include  
using namespace std;
```

```
class Employee{  
private:  
string empId;  
string empName;  
int joiningYear;  
int joiningMonth;  
int joiningDate;
```

```
public:  
Employee(){  
empId = " ";  
empName = " ";  
joiningYear = 0;  
joiningMonth = 0;  
joiningDate = 0;  
}
```

```
Employee(string id, string name, int year, int month, int date){  
this->setEmpId(id);  
this->setEmpName(name);  
this->setJoiningYear(year);  
this->setJoiningMonth(month);  
this->setJoiningDate(date);  
}
```

```
void setEmpId(string id){  
this.empId = id;  
}  
void setEmpName(string name){  
this.empName = name;  
}  
void setJoiningYear(int year){  
this.joiningYear = year;  
}  
void setJoiningMonth(int month){  
this.joiningMonth = month;  
}  
void setJoiningDate(int date){  
this.joiningDate = date;  
}
```

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```
string getEmpId(){
return this.empId;
}
string getEmpName(){
return this.empName;
}
int getJoiningYear(){
return this.joiningYear;
}
int getJoiningMonth(){
return this.joiningMonth;
}
int getJoiningDate(){
return this.joiningDate;
}
```

```
void setValues(Employee emp){
this.empId = emp2->empId;
this.empName = emp2->empName;
this.joiningYear = emp2->joiningYear;
this.joiningMonth = emp2->joiningMonth;
this.joiningDate = emp2->joiningDate;
}
```

```
void display(Employee emp){
cout<<"ID : "<<emp.getEmpId()<<endl;
cout<<"Name : "<<emp.getEmpName()<<endl;
cout<<"Joining Year : "<<emp.getJoiningYear()<<endl;
cout<<"Joining Month : "<<emp.getJoiningMonth()<<endl;
cout<<"Joining Date : "<<emp.getJoiningDate()<<endl<<endl;
}
};
```

```
int main(){
```

```
Employee emp1;
Employee emp2("BC123456789","Muhammad",2017,3,16);
```

```
cout<<"Employee 1 using default constructor : "<<endl;
emp1.display(emp1);
```

```
cout<<"Employee 2 using parameterized constructor : "<<endl;
emp2.display(emp2);
```

```
emp1.setValues(&emp2);
cout<<"Employee 1 having Employee 2 copied data members values : "<<endl;
```

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```
emp1.display(emp1);  
  
return 0;  
}
```



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