CMP-244 Object Oriented Programming
BS Fall 2017
Quiz 4.1 Key
Semester: Fall 2018

Roll-No:

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Issue Date: 05-Oct-2018
Marks: 4
Time: 20 minutes

Objective:

- This quiz will check your status of learning so far in the course by asking questions from easy to difficult based on knowledge learned so far.

Challenge-A   (2)

```
Your Answer:
    displayArray(arr[1], 4);
```

Challenge-B: (2)

```cpp
class Employee
{
    char firstName[100];
    char lastName[100];
    float salary;

public:
    Employee(const char *fn="Usman", const char *ln="Ali", int s=0)
    {
        setFirstName(fn);
        setLastName(ln);
        if (s>=0)
            salary=s;
        else
            salary=0;
    }
    void setFirstName(const char * p)
    {
        strcpy(firstName, p);
    }
    void setLastName(const char * p)
    {
        strcpy(lastName, p);
    }
    void setSalary(float s)
    {
        if (s>0)
            salary = s;
    }
    const char * getFirstName()
    {
        return firstName;
    }
    const char * getLastName()
    {
        return lastName;
    }
    float getSalary()
    {
        return salary;
    }
    void increaseSalary()
    {
        salary = salary + salary*.1;
    }
};
int main()
```

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```cpp
{
    Employee e1("Daniyal","Usman",150), e2("Ali","Hamza", 200);
    cout<<e1.getFirstName()<<" : Yearly Salary: "<<e1.getSalary()*12<<'\n';
    cout<<e2.getFirstName()<<" : Yearly Salary: "<<e2.getSalary()*12<<'\n';
    e1.increaseSalary();
    e2.increaseSalary();
    cout<<e1.getFirstName()<<" : Yearly Salary: "<<e1.getSalary()*12<<'\n';
    cout<<e2.getFirstName()<<" : Yearly Salary: "<<e2.getSalary()*12<<'\n';
    return 0;
}
```