**LAB REPORT NO 4**



**Spring 2020**

**CSE102L Computer Programming Lab**

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“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”

Submitted to:

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**C++ Code:-**

#include<iostream>

#include<cstring>

using namespace std;

class employee{

char \*name;

char \*dept;

double salary ,period;

public :

employee ();

employee (char n[],char d[], double s, double p);

employee (const employee & object);

~employee();

void show();

void input();

};

employee::employee ():name(), dept(),salary(0.0),period(0.0){ }

employee::employee (char n[],char d[], double s, double p){

name=n;

dept=d;

salary=s;

period=p;

}

employee::employee (const employee & object){

int len=strlen(object.name);

name= new char [len +1];

strcpy (name,object.name);

int len1=strlen(object.dept);

dept= new char [len1 +1];

strcpy (dept,object.dept);

salary=object.salary;

period=object.salary;

}

void employee::input(){

string nme,deprt;

name= new char [strlen(&nme[0])];

strcpy( name, &nme[0]);

cout<<"name ";

cin>>name;

dept= new char [strlen(&deprt[0])];

strcpy(dept, &deprt[0]);

cout<<"dept ";

cin>>dept;

cout<<"saiary ";

cin>>salary;

cout<<"period ";

cin>>period;

}

void employee ::show(){

cout<<"\nname = " <<name<<endl;

cout<<"Department = " <<dept<<endl;

cout<<"salary = " <<salary<<endl;

cout<<"period = " <<period<<endl;

}

employee::~employee(){

cout<<"destructed............\n";

delete []name;

delete []dept;

}

main(){

employee s;

s.input();

s.show();

employee s2;

s2=s;

s2.show();

employee s3(s);

s3.show();

}