TASK-1

#include<iostream>

using namespace std;

class Employee

{

protected:

string name;

public:

set\_name(string n)

{

name = n;

}

string get\_name()

{

return name;

}

Employee()

{

set\_name("\0");

}

Employee(string s)

{

set\_name(s);

}

};

class Supervisor: public Employee

{

protected:

float pay\_rate;

public:

set\_pay(float f)

{

pay\_rate = f;

}

float get\_pay()

{

return pay\_rate;

}

Supervisor():Employee()

{

set\_pay(0.00);

}

Supervisor(string s, float f):Employee(s)

{

set\_pay(f);

}

int calculate\_pay(int work\_hours)

{

int salary;

salary = static\_cast<int>(pay\_rate\*work\_hours);

return salary;

}

void display()

{

cout<<get\_name()<<" "<<get\_pay()<<endl;

}

};

class Manager: public Employee

{

protected:

int salary;

public:

set\_salary(int s)

{

salary = s;

}

int get\_salary()

{

return salary;

}

Manager():Employee()

{

set\_salary(0);

}

Manager(string s, int sl):Employee(s)

{

set\_salary(sl);

}

void display()

{

cout<<get\_name()<<" "<<get\_salary()<<endl;

}

};