Practical-4.(e)

Aim: Write a C++ program that illustrate single inheritance.

Algorithm:(i)Start

(ii)class <derived_class_name>:<access-specifier>

(iii)<base_class_name>

(iv)//body

(v)Stop

Theory: Using inheritance, we have to write the functions only one time instead of three times as we have inherited the rest of the three classes from the base class.

Input:

```
#include <iostream>
class base
{
   public:
   int x;
   void getdata()
   {
      std::cout<<"Enter the value of x= ";
      std::cin>>x;
```

```
    }
};
class derive:public base
{
    private:
    int y;
    public:
    void readdata()
    {
        std::cout<<"Enter the value of y= ";
        std::cin>>y;
    }
    void product()
    {
        std::cout<<"Product= "<<x*y;
    }
};
int main(){
    std::cout<<"08_Rabin Nadar"<<std::endl;
```

```
    derive a;
    a.getdata();
    a.readdata();
    a.product();
    return 0;
}
```

Output: