Practical 3.(f)

Aim: Write a C++ program to allocate memory dynamically for an object of a given class using class's constructor.

Algorithm:(i)Start

(ii)class{..};void{..};

(iii)Main function

(iv)Print the result

(v)Stop

Theory: When allocation of memory is done dynamically using dynamic memory allocator new in a constructor, it is known as dynamic constructor. By using this, we can dynamically initialize the objects.

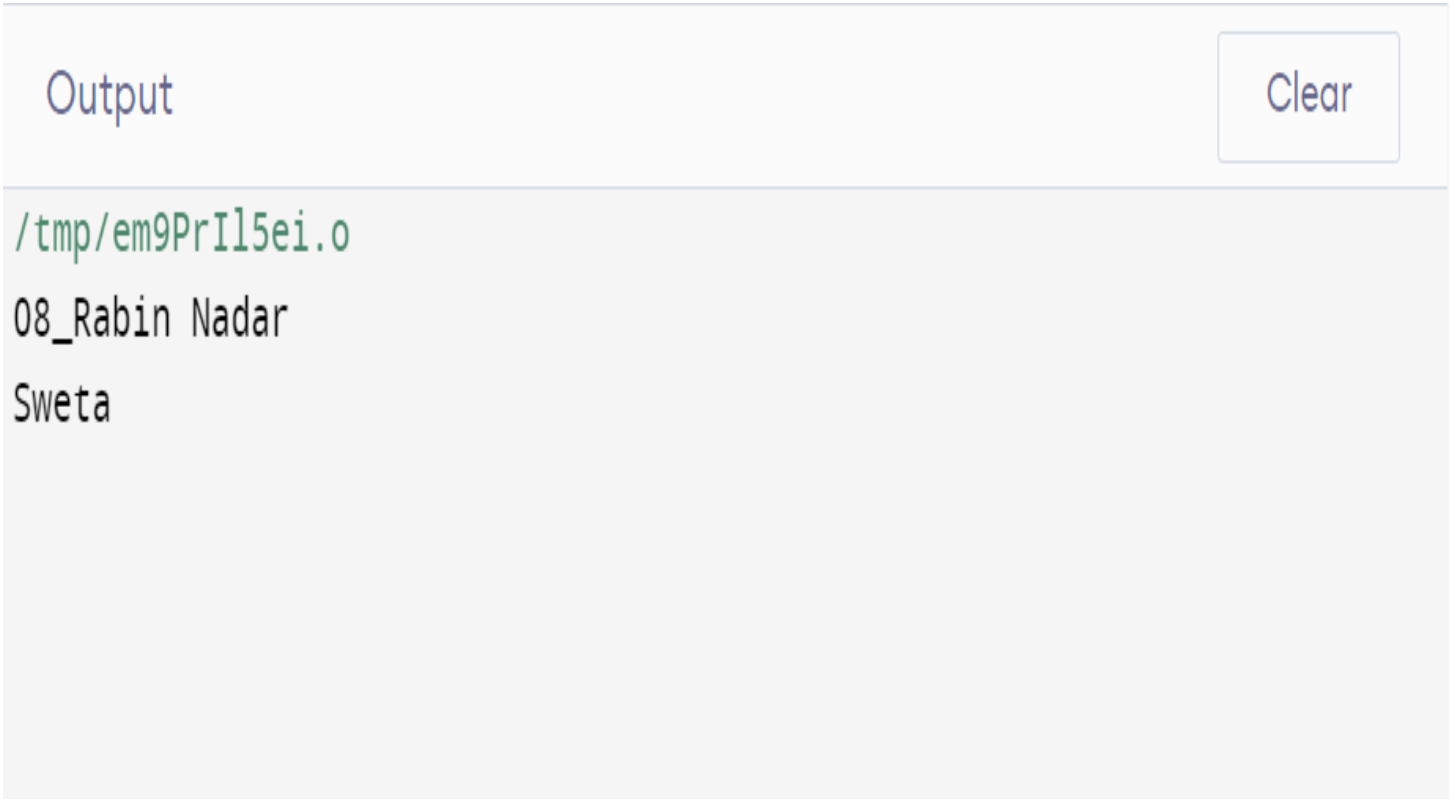
Program:

```
#include <iostream>
class Memory
{
   const char*p;
   public:
   //default constructor
   Memory()
```

```
{
    //allocating memory at run time
    p=new char[6];
    p="Sweta";
}
void display()
{
    std::cout<<p<<std::endl;
```

```
    }
};
int main()
{
    std::cout<<"08_Rabin Nadar"<<std::endl;
    Memory obj;
    obj.display();
    return 0;
}
```

Output:



Conclusion:

We have successfully written the code and executed it.