

Institute of Computer Technology
B. Tech. Computer Science and Engineering
Sub : ESFP – II

Practical -4

AIM: To learn about Constructor and Destructor in C++.

1. Write a C++ program to create a class FD a/c which contains member (fdno, name, amt, interest rate, maturity amt & No. of months). Write parameterized constructor where interest rate should be default argument. Calculate maturity amt using interest rate & display all the details.
2. Write a C++ program to read information about plant like plant-name, plant-code, plant-type and price. Construct the database with suitable member functions for initialization and destroying the data via constructor and destructor.

Post Practical Task

1. Define a class Travelplan in C++ with the following descriptions:

Private Members:

Plancode of type long Place of type character array(string)

Number_of_travellers of type integer

Number_of_buses of type integer

Public Members: A constructor to assign initial values of

PlanCode as 1001, Place as "agra",

Number_of_travellers as 5, Number_of_buses as 1 A function

NewPlan() which allows user to enter PlanCode, Place and Number_of travelers. Also, assign the value of Number_of_buses as per the following:

conditions:

Number_of_travellers less than 20

Number_of_buses 1

Equal to or more than 20 and less than 40-2

Equal to 40 or more than 40 - 3

A function ShowPlan() to display the content of all the data members on the screen.