|  |
| --- |
| OBJECT ORIENTED PROGRAMMING |
| PROJECT REPORT |
| AHMAD LUQMAN |

|  |
| --- |
| DS-D  22I-2018 |

This Project is made by “Ahmad Luqman” a student of bachelor’s in data science at FAST University with roll number “22I-2018”. This project is basically an examination system which allows a teacher to make a quiz and allow students to attempt the quiz. This Project is programmed in C++. It consists of four classes first class is named Login which contains the attributes username and password. It allows the User to Login. It also contains a member function that also generates a password if a student is logging in for the first time. This class validates the username and password of a User and then displays the second menu in front of the User. The Second class is named Courses. It contained multiple arrays as attributes. Integer array stores the index of courses in which students in registered. Strings arrays are used to store questions, answers from users and correct answers. This class contains a member function that displays courses in which a student is registered. It also contains a function that finds the sum of courses in which a student is registered. A member function is present which takes answers from the user and stores them in a string array. Another function is also present which stores correctly, two other functions are also present which calculates total and obtained marks based on total questions. The third class is named Teachers which contains the username, password, and course of Teacher as attributes. This class contains the member function for the login of the teacher. The fourth class is named Quiz which contains the course as attributes it generates the quiz and shows analytics of the Students to Teachers. Every course has its own question bank.