# **FAST UNIVERSITY (KARACHI CAMPUS)**

**Programing Fundamentals Lab**

**Project Proposal: Black Jack**

**Group Member(s):**

**Muhammad Ibrahim (24K-0023)**

**Over View:**

Blackjack is a popular card game where the goal is to have a hand value as close to 21 as possible without exceeding it. I have developed a digital version of this game using **C language**, incorporating key programming concepts such as **loops**, **nested loops**, and **conditional statements**. The program allows users to **input** their decisions (hit, stand) with proper **validation**, ensuring smooth gameplay. I’ve utilized the **rand()** function to simulate the random selection of cards from a deck. Additionally, I implemented score **calculation** and **decision-making** through **if-else** and **switch** statements. The game offers an interactive experience, handling errors effectively to guide users through each step of play. Finally, I have **output** the results of the user.