

Student Report Card Python Project

This project takes a student's name and five subject marks, checks for subject failures, calculates average, assigns grades, and prints a final report card. The logic includes conditionals, loops, functions, and user input.

```
def calculate_average(marks):
    return sum(marks) / len(marks)

def assign_grade(avg):
    if avg >= 90:
        return 'A+'
    elif avg >= 80:
        return 'A'
    elif avg >= 70:
        return 'B+'
    elif avg >= 60:
        return 'B'
    elif avg >= 50:
        return 'C'
    else:
        return 'Fail'

# Step 3: Input
name = input("Enter your name: ")
marks = []

# Step 4: Get 5 marks
for i in range(1, 6):
    mark = int(input(f"Enter mark {i}: "))
    marks.append(mark)

# Step 5 & 6: Logic
if any(score < 35 for score in marks):
    grade = 'Fail'
    result = 'FAIL'
else:
    avg = calculate_average(marks)
    grade = assign_grade(avg)
    result = 'PASS'

# Step 7: Output
print("\n----- Student Report Card -----")
print("Name          :", name)
print("Marks          :", marks)

if result == "PASS":
```

```
        print("Average      :", avg)
        print("Grade       :", grade)
else:
    print("Grade         :", grade)

print("Result          :", result)
print("-----")
```