**Programming Fundamentals**

Muhammad Athar Abbas

**SP25-BSE-082**

Section A

**Lab Assignment 2:**

**Code:**

**1 #include *<iostream>***

**2 #include *<iomanip>***

**3 using namespace std;**

**4 int main() {**

**5 char grade;**

**6 int sub , grace;**

**7 cout << "What is your Grade : ";**

**8 cin >> grade;**

**9 cout << "Number of subjects you have failed in : ";**

**10 cin >> sub;**

**11 grace = 0;**

**12 switch (grade) {**

**13 case 'A':**

**14 if (sub <= 3) {**

**15 grace = 5 \* sub;**

**16 }**

**17 break;**

**18 case 'B':**

**19 if (sub <= 2) {**

**20 grace = 4 \* sub;**

**21 }**

**22 break;**

**23 case 'C':**

**24 if (sub == 1){**

**25 grace = 5 \* sub;**

**26 }**

**27 }**

**28 cout << "Your grace marks are " << grace << endl;**

**30 return 0;}**

**Outputs:**

