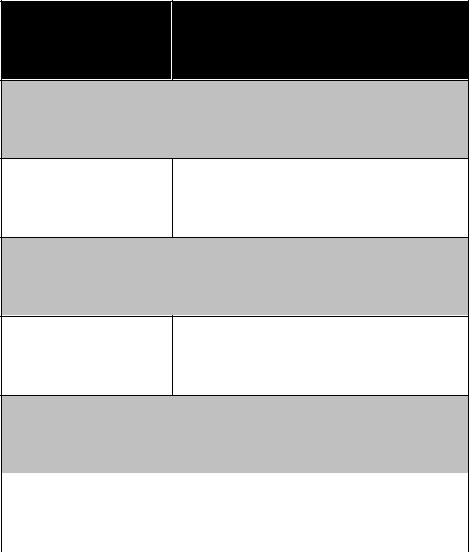
**Lab 4**

**Conditional Statements in C**

**Question 01:**

Calculate student's grade with respect to his/her percentage. Percentage will be provided by user. Grading criteria is as follows:



GRADE PERCENTAGE

**A+** 80% or above

1. 70% - 79%
2. 60% - 69%
3. 50% - 59%
4. 40% - 49%

|  |  |
| --- | --- |
| **F** | Below 40% |
|  |  |

**Question 02:**

By using switch case, perform following tasks:

1. Take input from user and decide whether given character is vowel or consonant.
2. Take an integer by user as day number and display day name.

Example: 1 --> Monday , 2 --> Tuesday and so on.

**Question 03:**

Write a program which takes 5 input numbers and display the second largest number

**Question 04:**

Write a program for simple calculator with Switch-Statements.

**Question 05:**

1. Write a program that determine whether a person is qualified to become a Manager of an organization or not, based on the Post, experience and trainings received. The criteria for promotion is as follow:

Post: Assistant manager Experience: More than 8 years

No. of trainings received: 5 or more

If the person can’t fulfill the requirements, then the program prompt as below: "Become Assistant Manager first.” OR "Need more trainings” OR “Need more experience” According to which requirement he fails to fulfill.



**Question 06:**

1. Find errors and remove them.

#include <stdio.h>

int main()

{

int i=2; switch (i);

{

case 1; printf("Case1 ");

case 2; printf("Case2 ");

case 3; printf("Case3 ");

case 4; printf("Case4 ");

default: printf("Default ");

}

return 0;

}

**Question 07:**

A company pays to its employees based on its employee designation as:

1. Managers: who receive a fixed salary. (147,600 PKR)
2. Hourly workers: who receive a fixed hourly wage (150 PKR) for up to the first 8 hours they work in a day and 1.5 times their hourly wage for overtime hours.
3. Commission workers, who receive 30000 PKR plus 25% of their monthly sales;

Write a program that prompt the user to enter the appropriate facts the program needs to calculate employee’s pay based on that employee’s designation.

s