**ASSIGNMENT 02**

**1. 2D Dynamic Array:**

MT loves to eat food. Every week she goes to her favourite restaurants with her friends and eats different types of food. You have to help MT by writing a code so that she can store the name of the food that she eats with her friends every week in a month (1 month = 4 weeks).

The food items name of 4 weeks are given below:

1st Week: Pizza, Coke, Cha

2nd Week: Daal, Vaat, Dim vaji, Alu vorta, Coke

3rd Week: Alfredo pasta, Coke, Jilapi, Cha

4rth Week: Burger, French Fry, Coke, Mango juice

Use the idea of 2D dynamic memory.

**Hints:**

int main(){

int numOfWeek = 4;

string \*\*food = new food\*[numOfWeek]; // 4 row = 4 weeks

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……………………………….

}

**2. Structure:**

FF has some friends. You have to write a code so that FF can view the friends information (Name, Phone number, number of mutual friends, If he/she has a pet or not). Number of friends will be given by the user (User input).

**Hints:**

struct Friend{

string name;

string phoneNumber;

int numOfMutualFriend;

bool hasAnyPet;

};

int main(){

int numOfFrnd;

cout<<”Enter the number of friends: ”;

cin>>numOfFrnd;

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}

\*You can use the idea of 1D array.