Assessment -1

1. **Write a program to demonstrate a Food Billing System. Display the Menu using appropriate codes. For Menu kinds of Programming, use the core logic of Loops/conditional statements. You need to strictly follow the syntaxes of that logic which you are using. Write the necessary comments for better understanding to you as well as to the faculty.**

```c
#include <stdio.h>

void displayMenu() {
    printf("\n====== Food Menu ======\n");
    printf("1. Pizza    - Rs.150\n");
    printf("2. Burger   - Rs. 80\n");
    printf("3. Pasta    - Rs.120\n");
    printf("4. Sandwich  - Rs. 60\n");
    printf("5. Cold Drink- Rs. 40\n");
    printf("======================\n");
}

int main() {
    int choice, quantity;
    char moreItems;
    int totalBill = 0;

    do {
```

```c
displayMenu();

printf("Enter the item number you want to order: ");
scanf("%d", &choice);

printf("Enter the quantity: ");
scanf("%d", &quantity);

switch(choice) {
    case 1:
        totalBill = totalBill + (150 * quantity);
        break;
    case 2:
        totalBill = totalBill + (80 * quantity);
        break;
    case 3:
        totalBill = totalBill + (120 * quantity);
        break;
    case 4:
        totalBill = totalBill + (60 * quantity);
        break;
    case 5:
        totalBill = totalBill + (40 * quantity);
        break;
    default:
        printf("Invalid choice! Please select a valid item.\n");
```

```c
            break;
        }

        printf("Do you want to order more items? (y/n): ");
        scanf(" %c", &moreItems);

    } while(moreItems == 'y' || moreItems == 'Y');

    printf("\nYour total bill is: Rs.%d\n", totalBill);
    printf("\nThank you for ordering. Visit again!");

    return 0;
}
```