

Note:

- Plagiarized tasks will be awarded zero marks.
 - There will be deduction for late submission.
 - Use meaningful variable names instead of a, b, c, x, y, z.
 - Use proper indentation.
 - Your programs should satisfy all the requirements mentioned in the description or discussed in lab.
1. Write a C program to check whether an alphabet is a vowel or consonant (check for both capital and small letters). Your program should ask the user to input an alphabet.

Note: use switch case

2. You are tasked with developing software for an ATM that offers a menu-driven interface to perform transactions. The menu should include the following options:

==== **ATM Menu** ====

1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit

Write a program that:

- Displays the menu to the user and prompts them to select an option.
- Validates the user's input to ensure it's a valid menu choice (1, 2, 3, or 4).
- For each menu option (Withdrawal, Deposit, Balance Inquiry), implement separate functions.
- Within each function, use nested if-else statements to perform the transaction based on factors such as account balance, and account type. Validate the user input. And after each transaction print the updated balance on screen of the respective account type.
- Provide appropriate feedback to the user after each transaction, including success or error messages.

- Below are **some** of the test cases. Make sure to test your program on the following test cases plus your own test cases whatever test case you have in your mind.
- Note: Take two global variables for the balance in current and savings amount with hard coded values of 10000, and 5000 R.s respectively.

Sample Outputs:

```
==== ATM Menu ====
1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit

Please select an option: 3
==== Balance Inquiry ====
Select the account type:
1. Current Account
2. Savings Account
1
Balance in Current account is: 10000 R.s
```

```
==== ATM Menu ====
1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit

Please select an option: 5
Invalid choice. Please select a valid option (1/2/3/4).
```

```
==== ATM Menu ====
1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit

Please select an option: 2
==== Deposit ====
Select the account type:
1. Current Account
2. Savings Account
1
Enter the amount you want to deposit: 1000
Cash deposit successful.
Amount in Current account is: 11000 R.s
```

```

===== ATM Menu =====
1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit
Please select an option: 1
===== Withdrawal =====
Select the account type:
1. Current Account
2. Savings Account
2
Enter the amount you want to withdraw: 8000
Amount you entered is greater than the balance in your savings account.

```

```

===== ATM Menu =====
1. Withdrawal
2. Deposit
3. Balance Inquiry
4. Exit
Please select an option: 2
===== Deposit =====
Select the account type:
1. Current Account
2. Savings Account
4
Invalid choice

```

- Write a program for FAST Café using nested if else that asks a user whether he/she wants burger or Biryani. If the user wants a burger, further ask him if he wants an add-on of fries and cold drink, and calculate the bill accordingly. If the user wants biryani, further ask him if he wants a half biryani or full biryani. After that further ask him if he wants to add a chicken piece in biryani or not. Calculate the total price accordingly.

The price chart of the café items is listed below that is useful in your program.

Burger: 300 R.s

Add-on of fries and cold drink: 150 R.s

Half biryani: 120 R.s

Full Biryani: 240 R.s

Chicken piece: 70 R.s

Note: Validate your input. If the user enters any invalid input, the program should display the message “Invalid Input”.

Guess the sample output yourself here.

