Q1: Write a program that reads A integer from user and outputs whether the number is even or odd using if else.
Sample Output:
Enter an integer: 5
5 is an odd number
OR
Enter an integer: 12
12 is an even number

Q2: Write a program that reads the age of three people and outputs the eldest among them.
Sample Output:
Enter the age of Amir: 20
Enter the age of Ali: 23
Enter the age of Haider: 18
Eldest: Ali
Note:
● The program should read the three ages outside the function.
● Create a function that will take three ages as arguments.
● The function will calculate who's the eldest and prints the result within the function.

Q3: Write a program using nested if else that asks a user whether he/she wants burger. If the user enters Y or y. Then the program should further ask whether the user wants an add-on of fries and cold drink for 200 Rs only. Calculate and display the total price accordingly. Price of Burger is 500.
Note: Validate your input. If the user enters anything other than Y, y, n or N. The program should display the message "Invalid Input".

```
C:\Users\hy\Desktop\C Programs\burger_bill.exe

Do you want a burger? Y/N
Y

Burger added
do you want a fries and drink as addon? Just for 200 Rs Y/N
N

Your choice!Thank you
Your total Bill is: 300
```

```
C:\Users\hy\Desktop\C Programs\burger_bill.exe

Do you want a burger? Y/N
Y

Burger added
do you want a fries and drink as addon? Just for 200 Rs Y/N
Y
Thank you
Your total Bill is: 500
```

```
C:\Users\hy\Desktop\C Programs\burger_bill.exe

Do you want a burger? Y/N
N
No problem. See you next time
```

Q4: Write a Python program to check whether an alphabet is a vowel or consonant. Your program should ask the user to input an alphabet.

Q5: The TCS Shipping Company charges the following rates:

Weight of Package (in Kilograms)	Rate per 500 Miles Shipped
2 kg or less	$1.10
Over 2 kg but not more than 6 kg	$2.20
Over 6 kg but not more than 10 kg	$3.70
Over 10 kg but not more than 20 kg	$4.80

Write a program that asks for the weight of the package and the distance it is to be shipped, and then displays the charges. Input Validation: Do not accept values of 0 or less for the weight of the package. Do not accept weights of more than 20 kg (this is the maximum weight the company will ship). Do not accept distances of less than 10 miles or more than 3,000 miles. These are the company's minimum and maximum shipping distances.

```
C:\Users\hy\Desktop\C Programs\shipping_rates.exe
Enter the weight of the package in Kg: 10
Enter the distance to ship in miles: 200

Thank you
Total charges: 1.480$
```

```
C:\Users\hy\Desktop\C Programs\shipping_rates.exe
Enter the weight of the package in Kg: 10
Enter the distance to ship in miles: 9

Sorry TCS does not deliver to such distances
-----------------------------
```

```
C:\Users\hy\Desktop\C Programs\shipping_rates.exe
Enter the weight of the package in Kg: 21

Sorry weight cannot be negative, zero or greater than 20 kg
-----------------------------
```