

ECS102

Lab Task 4 - Algorithm

Q.1

- Define variables: num1, num2, add, sub, multi, divi, choice
- Take the input for num1 and num2
- Print "Operation Menu"
- Print "1. Addition"
- Print "2. Subtraction"
- Print "3. Multiplication"
- Print "4. Division"
- Take the input for operation number
- If choice = 1 or choice = 2 or choice = 3 or choice = 4
- If, choice = 1, add = num1 + num2 and print add
- Else if, choice = 2, sub = num1 - num2 and print sub
- Else if, choice = 3, multi = num1 * num2 and print multi
- Else if, choice = 4, divi = num1 / num2 and print divi
- Else, print "Wrong Choice"

Q.2

- Define variables: c, f, temp, choice
- Take input for temp
- Print "Conversion choices:"
- Print "1. Fahrenheit to Celcius."
- Print "2. Celcius to Fahrenheit."
- Take input for choice
- If choice = 1 or choice = 2
- If, choice = 1, c = (temp - 32) / 1.8 and print c
- Else if, choice = 2, f = (temp * 1.8) + 32 and print f
- Else, print "Wrong choice"

Q.3

- Define variable: choice
- Take input for number of the day
- If choice = 1 or choice = 2 or choice = 3 or choice = 4 or choice = 5 or choice = 6 or choice = 7
- If, choice = 1, print "Sunday"
- Else if, choice = 2, print "Monday"
- Else if, choice = 3, print "Tuesday"
- Else if, choice = 4, print "Wednesday"
- Else if, choice = 5, print "Thursday"
- Else if, choice = 6, print "Friday"
- Else if, choice = 7, print "Saturday"
- Else, print "Wrong number entered"

Q.4

- Define variable: input
- Take input for character
- If input = a,e,i,o,u or input = any other alphabet
- If input = a or input = e or input = i or input = o or input = u, print "Vowel"
- Else, print "Consonant"