

Lab5 Cs4012

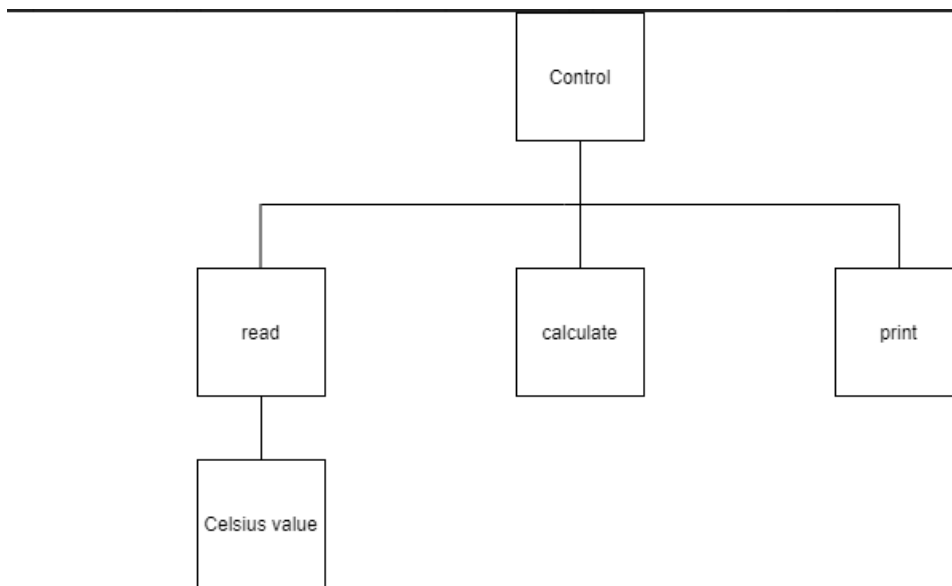
Q1.

Program analysis chart

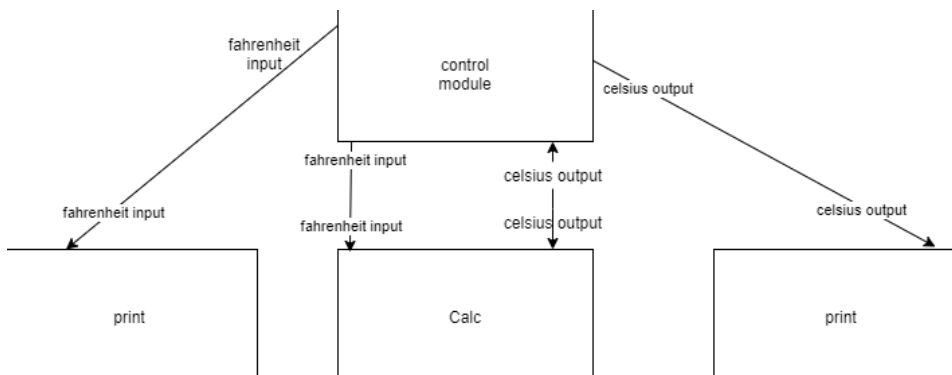
Given data	Required results
Conversion formula: $C = 5/9(F - 32)$ C= Celsius F= Fahrenheit	Celsius value from using Fahrenheit
Processing required	Solution alternatives

$C = 5/9(F - 32)$ Sub value for F into the sum to get solution	Define Farhenheit as a constant Define Farhenheit as an input value
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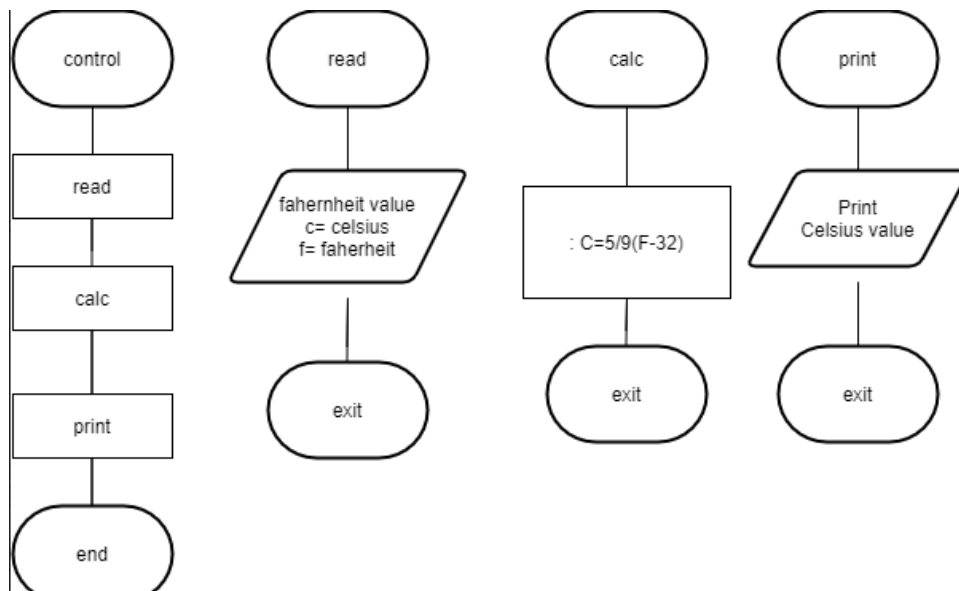
Interactivity chart



Coupling diagram



Flowchart



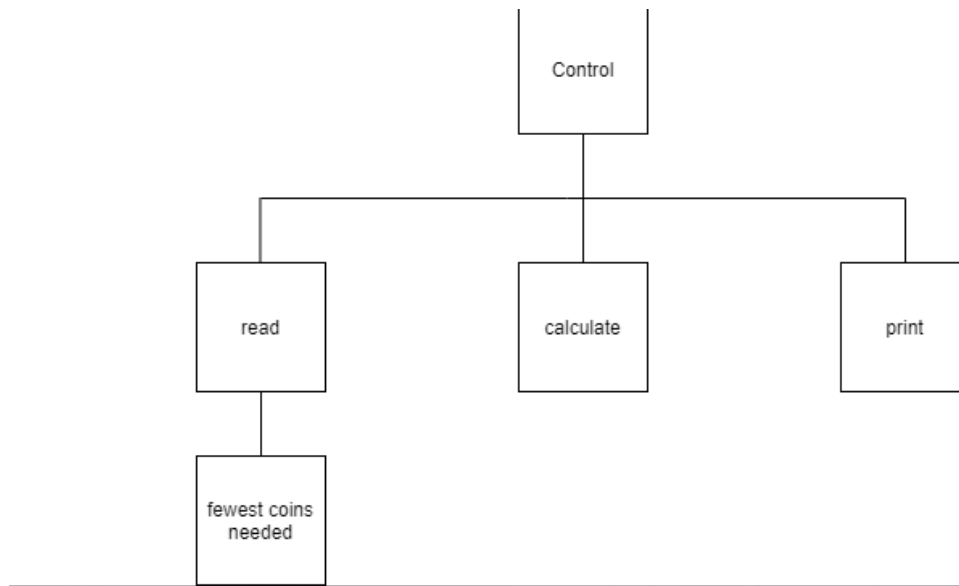
Q2

Program analysis chart

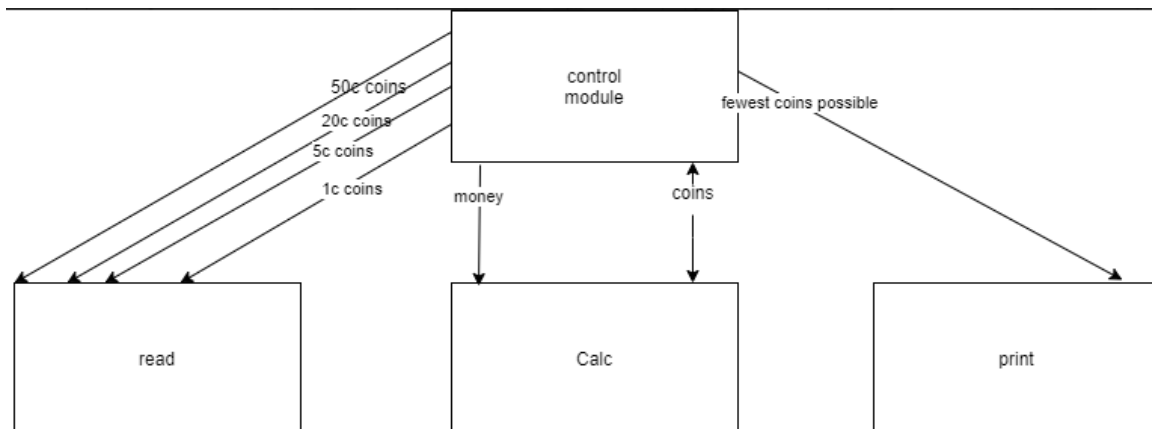
Given data	Required results

Amount of money	No; of 50c coins, 20c coins, 5c coins and 1c coins
Processing required	Solution alternatives
Num50 = Amount/50 Amount 1 + Amount % 50 Num20 = Amount1 / 20 Amount 2 = Amount 1 % 20 Num5 = Amount 2 / 5 Num1= Amount 2 % 5	Define the coins as a constant and use variables to find coins needed Use if and else if to find number of coins needed

Interactivity chart



Coupling Diagram



Flowchart

