

Question 1: Write a program to find Perimeter and Area of a Rectangle with integers of Width and Height

Question 2: Write a program to convert centimeter to decimeter and inch with float centimeter

Question 3: Write a program to random an integer number and check whether this number having two or three digits

Question 4: Write a program to random an integer number in range [-100, 100]

check whether this number positive or negative number and have two digits

Question 5: Write a program to random an integer number in range [10, 150] and normalize it into range [0, 1]

Question 6: Write a program to find degree and radian angle between hours and minute hands

with integers hour and minite

Question 7: Write a program to Solve the quadratic equation $x^2 + 5x + 6 = 0$

and print step by step (discriminant, check condition of discriminant, solutions)

Question 8: Assume we have a string "Today is Sunday and we don't need to wake up at 6 am".

Print how many words in the string and check whether number in string. Print position of that number in string

Question 9: From the keyboard input the student profile including :

Name of Subject 1,2,3 and Mark of Subject 1,2,3.

Name of Student and Date of Birth

And print the profile of these students with Average Mark

Question 10: From keyboard input two points with (x,y) and print Euclidean, Manhattan, Cosine distance of points

Question 11: Input from keyboards your birthday with day, month year

and print information about weekday name, month name, and your age now

Question 12: Input four lists of Customer, Product, Quantity

A. Create a DataFrame from three lists above

B. Seperate column QuantityList to Quantity and Unit

C. Find customer information who bought Pork over 2kg

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CustomerList = ["John", "John", "Marry", "Marry", "Marry"]
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ProductList = ["Beer", "Pork", "Milk", "Vegetable", "Pork"]
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QuantityList = ["2 Bottles", "1 kg", "5 boxes", "2 bunches", "3 kg"]
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