06.08.2025 python modules and Podrage Task3: Importing por ogra omming in python Report using datetime (a) weathor Aim: To write a python program that displays the current date and time along with weather into in the formal! wednesday, of August 2025, 07:30 PM Algorithm: 1. Stood the priogram. 2. Import the datetime module. 3. Out the awvient date and time using datetime. nouc) 4. Farmat the date and time using striftime 5. Display the farmalled result 6. End the program. priogram. Form datelime import datelime formatted- time = now. strittime ("YA, y.d Y.BY.Y, Y. Y. M Y. P') paint ( award pale and Time:, formalled time) Republ: othe porogram successfully impossed the date time module and displayed the Covert date and time in the required format

output: awner bale and Time: wednesday, of My The last of the la appear to the file of the contraction no port int with a special contraction of the same Thinwall Same as And the last the last

## b) orecite and use your own module

To oreale a custom modele with math Aim; fundions and use them in the main perogeram.

Algorithm:

1. Orecte a python file named mymath.py 2. Debine two function inside it: fadorial on and is - prime on.

3. Queate a main program to impact mymate and use both fundions.

4. Display the resulte.

5. End the priogram

module: mymath. Py

det tadorial (n): result=1

ton i in mange CI, n+1):

nesult +=1

refunn result ded in - prime cony

if n Z=1:

gotugin False too 1 in sange (2) int(n\*\*0.5)+1):

is hy.i ==0:

orctuen Fabe MEDIN TENE

outpot: Factorial of 5:120 is 17 prime? True

was been in this profit

en done

A. may

4 1

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Pologerum:

impart rnymath

polint ('Factorial of 5:', mymath. factorials)

polint ('Factorial of 5:', mymath. is\_prime(if

polint ('is 17 prime?', mymath. is\_prime(if)

Result:
The austom module mymath was
created and successfully used in
the main program

c, automay conventer using a oustom

To one a nackage with a module to convert awarency from IWR to USD Alm: 19001Hhm: 1. Oreate a package folder named ausency 2- Inside it, grede a tile Converter- py 3. Défine a function Convert (amount , rate) in il 4. In the main program, impart the middle and we the function 5. Display the smert. 6. End the pergram module: Converter, py ded corvert Camount, male ): ordwin amount + orate Porogram: torom awarray imposit convertor ing\_ amount = 1000 usd\_ nate = 0.012/ usd\_ authount = converter . Converting amount, print ('INR & USD!') tolly RFORMANCE (5) ULT AND ANALYSIS (5) IVA VOCE (5) CORD (5) OIAL (20) pakage and ma ute

wied to convert INR to

outpul!

INR to USD: 120

Sa Carre