El ACADEMY

Exercise

1) Create a program that will get an input value from the

user which will be in Kilometers. Your program has to

convert that number into miles and output miles value.

(1 mile = 1.609344 kilometers).

2) Create a program that asks the user for his first name, his

middle name and his last name. then print:

"Your initials are \_ \_ \_"

3) Let's say your company has a product with this

number:"037-00901-00027". 037 is the country code.

00901 is the product code. 00027 is the batch number.

Create a program to print:

Country code: \_ \_ \_

Product code:\_ \_ \_ \_ \_

Batch number: \_ \_ \_ \_ \_

4) Create a program to calculate the area and circuference

of a circle. Ask the user for the radius.

Area= pie x r x r

circumference = 2 x pie x r

1)

* def kilo\_to\_meter(kilometer):
* \_1\_mile\_2\_km=1.609344
* \_1\_km\_2\_m=1/\_1\_mile\_2\_km
* result=\_1\_km\_2\_m\*kilometer
* return result
* kilo=float(input("how many kilometers do you wish to convert to miles? "))
* print('you have',kilo\_to\_meter(kilo),"miles")

2)

* def initials(firstname,middlename,lastname):
* first=firstname[0].upper()
* second=middlename[0].upper()
* last=lastname[0].upper()
* print('your initials are',first,second,last)
* firstname=input("what's your firstname ")
* middlename=input(firstname+" sounds lovely. what's your middlename? ")
* lastname=input(firstname+" can i also get your lastname ")
* initials(firstname,middlename,lastname)

3)

* def print\_code\_no(number):
* broken=number.split("-")
* print(f'country code {broken[0]}')
* print(f'product code {broken[1]}')
* print(f'batch number {broken[2]}')
* code=input('please insert the code ')
* print\_code\_no(code)

4)

* import math
* def area\_circ(radius):
* area=math.pi\*(radius\*\*2)
* circumference=2\*math.pi\*radius
* print('area is: ',area)
* print('circumference is: ',circumference)
* radius=float(input('what is the radius of your circle '))
* area\_circ(radius)