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Functions:

A function is a block of reusable code that performs a specific task.

functions make our programs more organized, readable and reduce repetition.

types of function

1) built in functions:

already available in python `type()`, `print()`, `len()`

2) user defined function

functions created by the user using `def` keyword

`def fun_name(parameters):`

statements

return value

1) function without input and without return

2) function with input and without return

3) function without input and with return

4) function with input and with return

3) lambda function

anonymous (nameless) functions written in a single line using the `lambda` keyword.

function without input and without return

syntax:

`def fun_name():`

statements

call:

fun_name()

Q)WAP for simple interest = $(p*t*r)/100$

A)def si1():

 p = float(input("enter a principle amount:"))

 t = float(input("enter a time:"))

 r = float(input("enter a rate:"))

 si = $(p*t*r)/100$

 print("the simple interest is:",si)

si1()

enter a principle amount: 500000

enter a time: 2

enter a rate: 3

the simple interest is: 30000.0