

1. passing arguments/parameters and return value
  - A. Required arguments
  - B. keyword arguments
  - C. Default Arguments
  - D. variable length arguments
2. passing arguments but no return value
3. no passing argument but return value

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#1. Required Arguments/parameters and return value
#For Example : Write a program to find the simple interest
#and amount when given principal,rate and time .
def interest(x,y,z): #x =principal , y=rate of interest ,z=time
    #here x,y and z are formal parameter or local variable
    s=x*y*z/100
    return s

#here interest is a user defined function name
#and variables a,y and z are formal parameter/argument

#main program
p=float(input("Enter Principal Amount : "))
r=float(input("Enter Rate of Interest : "))
t=int(input("Enter How many Years : "))
#call function
si=interest(p,r,t)#here p,r and t are actual parameter
print("Simple interest : ",si)
```

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Veyon Demo
*fun1.py - C:/Users/dell/AppData/Local/Programs/Python/Python311/fun1.py (3.11.2)*
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#1. Required Arguments/parameters and return value
#For Example : Write a program to find the simple interest
#and amount when given principal,rate and time .
def interest(x,y,z): #x =principal , y=rate of interest , z=time
    #here x,y and z are formal parameter or local variable
    s=x*y*z/100
    return s
def amount(x,y): #x=principal and y=simple interest
    return x+y

#main program
p=float(input("Enter Principal Amount : "))
r=float(input("Enter Rate of Interest : "))
t=int(input("Enter How many Years : "))
#call function
si=interest(p,r,t) #here p,r and t are actual parameter
print("Simple interest : ",si)
#call function
```

