

PYTHON PROGRAMMING WITH DECISION CONTROL STATEMENTS

Program 1 : - Return the full name of the Person(first name, last name) using function

```
def name(first,last):  
    c=first+" "+last  
    return c  
first=input("Enter yout first name: ")  
last=input("Enter your last name: ")  
a=name(first,last)  
print("Your Name is",a)
```

Output :-

```
Enter yout first name: VR  
Enter your last name: Harish  
Your Name is VR Harish
```

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Program 2:- Write a python program to convert time hours into minutes

```
def time():  
    m=h*60  
    return m  
h=int(input("Enter Hour: "))  
a=time()  
print("The Minutes is",a)
```

Output :-

```
Enter Hour: 7  
The Minutes is 420
```

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Program 3 :- Calculate GCD of two numbers

```
def gcd():
    a=int(input("Enter 1st number: "))
    b=int(input("Enter 2nd number: "))
    if(a>b):
        dividend=a
        divisor=b
    else:
        dividend=b
        divisor=a
    while(divisor!=0):
        rem=dividend%divisor
        divisor=dividend
        dividend=rem
    return divisor
print("GCD of two numbers is",gcd())
```

Output :-

Enter 1st number: 10

Enter 2nd number: 8

GCD of two numbers is 2

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Program 4 :- Define a function to find the max of two numbers

```
def max(a,b):  
    if(a>b):  
        return a  
    else:  
        return b  
a=int(input("Enter 1st number"))  
b=int(input("Enter 2nd number"))  
m=max(a,b)  
print("The Largest number is",m)
```

Output :-

Enter 1st number 23

Enter 2nd number 54

The Largest number is 54

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Program 5 :- Print the area and Perimeter of Triangle using Function

```
def area(b,h):  
    area=(1/2)*b*h  
    return area  
  
def perimeter(x,y,z):  
    perimeter=x+y+z  
    return perimeter  
  
print("AREA OF THE TRIANGLE")  
b=int(input("Enter the breadth: "))  
h=int(input("Enter the height: "))  
a=area(b,h)  
print("The area of the triangle is ",a)  
print("PERIMETER OF THE TRAINGLE")  
x=int(input("Enter 1st side: "))  
y=int(input("Enter 2nd side: "))  
z=int(input("Enter 3rd side: "))  
p=perimeter(x,y,z)  
print("The perimeter of the triangle is ",p)
```

Output :-

```
AREA OF THE TRIANGLE  
Enter the breadth: 2  
Enter the height: 5  
The area of the triangle is 5.0  
PERIMETER OF THE TRAINGLE  
Enter 1st side: 1  
Enter 2nd side: 7  
Enter 3rd side: 3  
The perimeter of the triangle is 11
```