**EX NO:5 PROGRAMS USING FUNCTIONS**

**18/01/2023**

1. **PRINT THE AREA AND PERIMETER OF SQUARE USING FUNCTION**

**PROGRAM:**

**def area():**

**a=int(input("enter a number:"))**

**area=a\*a**

**return(area)**

**print("area:",area())**

**def perimeter():**

**b=int(input("enter b number:"))**

**perimeter=4\*b**

**return(perimeter)**

**print("perimeter:",perimeter())**

**OUTPUT:**

**enter a number:900**

**area: 810000**

**enter b number:10078**

**perimeter: 40312**

**>>>**

**2) DEFINE A FUNCTION TO FIND THE MIN OF TWO NUMBERS**

**PROGRAM:**

**def minimum(a,b):**

**if(a<=b):**

**return a**

**else:**

**return b**

**a=int(input("enter the value a:"))**

**b=int(input("enter the value b:"))**

**print(minimum(a,b))**

**OUTPUT:**

**enter the value a:6785**

**enter the value b:457789**

**6785**

**>>>**

**3) CHECK THE RELATIONSHIP BETWEEN TWO NUMBERS**

**PROGRAM:**

**def relationship(a,b):**

**if(a>b):**

**n="greater"**

**elif(a<b):**

**n="smaller"**

**else:**

**n="equal"**

**return(n)**

**a=int(input("enter the value a:"))**

**b=int(input("enter the value b:"))**

**print(relationship(a,b))**

**OUTPUT:**

**enter the value a:100**

**enter the value b:4**

**greater**

**4)first name last name**

**PROGRAM:**

**def name(a,b):**

**c=a+b**

**return c**

**f=str(input("enter first name:"))**

**l=str(input("enter last name:"))**

**print("full name:",name(f,l))**

**OUTPUT:**

**enter first name:danya**

**enter last name:ganesh**

**full name: danyaganesh**

**5) CONVERT HOURS TO MINS**

**PROGRAM:**

**def time ():**

**a=int(input("Enter the hour:"))**

**formula=a\*60**

**print(a,"hour is converted into",formula,"minutes.")**

**return**

**print(time())**

**OUTPUT:**

**Enter the hour:2**

**2 hour is converted into 120 minutes.**