

COMPUTER SCIENCE E-BOOK

PYTHON PROGRAM FILE



PROJECT PREPARED BY

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PROGRAM-5

TO CHECK THE YEAR IS LEAP OR NOT.

CODE:-

```
#to check the year is leap or not
y=int(input("enter year"))
def check(y):
    if y%4==0:
        print("it is leap year")
    else:
        print("it is not a leap year")
check(y)
```

OUTPUT:-

```
==== RESTART: C:\Users\Del:
enter year2024
it is leap year

==== RESTART: C:\Users\Del:
enter year2025
it is not a leap year
```

PROGRAM-13

TO CONVERT CELSIUS TO FAHRENHEIT.

CODE:-

```
#TO CONVERT CELCIUS TO FAHRENHEIT
CE=int(input("enter temperature in celsius"))
def con(c):
    f=(c*9/5)+32
    print("temperature in fahrenheit",f)
con(CE)
```

OUTPUT:-

```
=====
enter temperature in celsius:5
temperature in fahrenheit 77.0
```

```
=====
enter temperature in celsius0
temperature in fahrenheit 32.0
|
```

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PROGRAM-14

to find the sum of the natural no.

CODE:-

```
#TO FIND SUM OF NATURAL NO.  
num=int(input("enter any postive no."))  
sum=(num*(num+1))//2  
print("the sum of the natural no. up to",num,"is",sum)
```

OUTPUT:-

```
===== RESTART  
enter any postive no.5  
the sum of the natural no. up to 5 is 15  
===== RESTART  
enter any postive no.12  
the sum of the natural no. up to 12 is 78  
,
```

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PROGRAM-16

TO FIND LARGEST AMONG 3.

CODE:

```
#TO FIND LARGEST AMONG 3
num1=int(input("enter no. "))
num2=int(input("enter no. "))
num3=int(input("enter no. "))
n=max(num1,num2,num3)
print(n,"is largest")|
```

OUTPUT:

```
=====
enter no.2354
enter no.1547
enter no.2145
2354 is largest
```

```
=====
enter no.2
enter no.4154
enter no.2444
4154 is largest
,
```

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PROGRAM-30

#input a no. and print it's tens digit

CODE:-

```
#TO INPUT A NO. AND DISPLAY TENS DIGIT
N=int(input("enter no. "))
def tn(a):
    h=a%100
    b=a%10
    print("tens digit is", (h-b)/10)
tn(N)
```

OUTPUT:-

```
=====
enter no.456
tens digit is 5.0
```

```
=====
enter no.233334447
tens digit is 4.0
'
```

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PROGRAM-37

#to find area of a square.

CODE:-

```
#TO FIND AREA OF A SQUARE
def area():
    a=int(input("enter side:"))
    print("area of the square is",a*a,"unit^2")
area()
```

OUTPUT:-

```
enter side:4
area of the square is 16 unit^2
```

=====

```
enter side:6
area of the square is 36 unit^2
```

=====

```
enter side:8
area of the square is 64 unit^2
,
```

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