

PYTHON PROGRAMMING

PROGRAM 1:-PRINT THE DAYS OF WEEK

PROGRAM:-

```
num = 1

weekdays =
("sunday","monday","tuesday","wednesday","thursday","friday","saturday")

for i in weekdays:

    print(i,"-",num)

    num = num+1
```

OUTPUT:-

```
sunday - 1
monday - 2
tuesday - 3
wednesday - 4
thursday - 5
friday - 6
saturday - 7
```

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PROGRAM 2:-SMALLEST OF THREE NUMBERS.

```
a = int(input("enter number 1:"))
b = int(input("enter number 2:"))
c = int(input("enter number 3:"))
if (a<b and a<c):
    print("a is smallest")
elif (b<a and b<c):
    print("b is smallest")
else:
    print("c is smallest")
```

OUTPUT:-

```
enter number 1:13
enter number 2:37
enter number 3:25
a is smallest
```

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PROGRAM 3:-READ A CHARACTER, IF IT LOWER PRINT **ELSE PRINT U

PROGRAM:-

```
character = input("enter a word:")  
if(character.islower()):  
    print("**")  
else:  
    print("u")
```

OUTPUT 1:-

enter a word:guru

**

OUTPUT 2:-

enter a word:GURU

u

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PROGRAM 4:- ODD/EVEN

PROGRAM:-

```
num = int(input("enter any number:"))  
if(num%2==0):  
    print(num,"is even")  
else:  
    print(num,"is odd")
```

OUTPUT:-

enter any number:125

125 is odd

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PROGRAM 5:- STUDENT GRADE ANALYSIS

PROGRAM:-

```
mark1 = int(input("enter the marks in maths:"))
mark2 = int(input("enter the marks in science:"))
mark3 = int(input("enter the marks in biology:"))
total = mark1+mark2+mark3
avg = float(total)/3
print("total = ", total, "\t aggregate = ", avg)
if(avg >= 75):
    print("o")
elif(avg >= 60 and avg < 75):
    print("a")
elif(avg >= 50 and avg < 60):
    print("b")
elif(avg >= 40 and avg < 50):
    print("c")
else:
    print("u")
```

OUTPUT:-

```
enter the marks in maths:90
enter the marks in science:91
enter the marks in biology:75
total = 256  aggregate = 85.33333333333333
o
```

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PROGRAM 6:-READ CHARACTER AND CHECK GIVEN CHARACTER IS ALPHABET,NUMBER,SPACE

PROGRAM:-

```
char = input("press any key:")  
if(char .isalpha ()):   
    print("the user has entered a character")  
if(char .isdigit ()):   
    print("the user has entered a digit ")  
if(char .isspace ()):   
    print("the user eneterd a space character")
```

OUTPUT:-

```
press any key:23  
the user has entered a digit
```