Practical No - 4

	=	Todolical 140 - 4							
	6	Avm &							
		Aim 8- Write a program to demostrate use of conditi	use of conditional , wested if						
		statements if statements, if else statements, wested if							
		Statements.							
	**	Resources used of							
		the same that the same to be a superior to the same to							
- 10 A	gill, m	SP. Mame at Resources specification auantity Re	mad						
0		NO.							
	200	1. Computer system Windows 10	4						
J.		AND THE STATE OF T							
		2. Software Python DOE							
		- 91 63 73							
	(#	Positical Related allestions 9-							
			7						
	List operators used to it conditional statements.								
		Manager Sudden Sudden							
	->	8) "!=" - Not equals							
0		11) '==" - Equals							
	, 7	m) " L" - less than							
		1y" 7" - Cyonater than							
		10 10 11 - Dell Man and amula la							
		y '<=" - less than or equals to							
		vi) '>= " - greater than or equals to							
	1								
-									

FOR EDUCATIONAL USE

Sundaram

				4
1	01	5 31	LODD	

1	1 - OM Tositossi				
I mains	differentiate between 1	Frelse & nested IF else.			
	19 71 Birs - Andrews in 19 2 manimum 11 sky walve				
→	streke	Mested of else			
	1) stepse Shatterments tell	i) Hested IF else Statement 12			
17.1%	us the condition is true				
Kema	for Ralse	statement on specific condition			
	1 4 30	Standing My Specific Standing			
346	1) In It-else statements	ii) on nested if-else shore			
	three are any If and	can be multiple if else nested			
	else	with each other.			
	Tii) syntax -	Ri") syntax			
11.5	18 -6 20	STAROME LOTTERS LOSTENOG #1			
W	Condition	16 condition;			
W	else	· have else			
4		strong total to the strong to the			
		Elened - " " (ii			
		Local State - " V Later Later			
		und_release. The second of the second			
	the second of the second of	annul 27 M			

Sundaram®

Exercise:

1. Write a program to check whether a number is even or not.

Program:

```
i = int(input("Enter a number"))
if (i % 2) == 0:
    print("its even number ")
else:
    print("odd")
```

output:

```
Enter a number10 its even number >>> |
```

2. Write a program to find out absolute value of an input value.

Program:

```
import math
a = int(input("input a number"))
print(abs(a))
```

output:

3. Write a program to check largestnumber among three numbers.

Program:

```
a = int(input("enter first number: "))
b = int(input("enter second number: "))
c = int(input("enter third number: "))
if a > b and a > c:
    print(a, "is largest number")
```

```
elif b > a and b > c:
    print(b,"is largest number")
else:
    print(c,"is largest number")
```

OUTPUT:

```
enter first number: 12
enter second number: 103
enter third number: 28
103 is largest number
>>>> |
```

4. Write a program to check if the input year is leap or not.

Program:

```
year = int(input("enter year:"))
if (year % 4) == 0:
   print("its a leap year")
else:
   print("not a leap year")
```

output:

5. Write a program to check if number is positive, negative or zero.

Program:

```
a = int(input("enter a number: "))
if (a > 0):
    print(a,"is a positive number ")
elif(a < 0):
    print(a,"is a negative number")
else:
    print(" its a zero")</pre>
```

OUTPUT:

```
enter a number: -5
-5 is a negative number
>>>
enter a number: -5
-5 is a negative number
>>>
enter a number: -5
-5 is a negative number
>>>>
enter a number: 6
6 is a positive number
>>>> |
```

6. Write a program that takes the marks of 5 subjects and displays the grade.

Program:

```
sub1 = int(input("Enter marks of subject science: "))
sub2 = int(input("Enter marks of subject mathematics: "))
sub3 = int(input("Enter marks of subject history: "))
sub4 = int(input("Enter marks of subject english: "))
avg = (sub1 + sub2 + sub3 + sub4)/4
if(avg >= 90):
    print("GRADE A")
elif(avg >= 80 and avg < 90):
    print("GRADE B")
elif(avg >= 70 and avg < 80):
    print("GRADE C")
elif(avg >= 60 and avg < 70):
    print("GRADE D")
```

else:

print("GRADE F")

output:

```
Enter marks of subject science: 87
Enter marks of subject mathematics: 90
Enter marks of subject history: 95
Enter marks of subject english: 86
GRADE B
>>>
```