DELHI PUBLIC SCHOOL BANGALORE NORTH

2023-2024



COMPUTER SCIENCE (083)

PRACTICAL RECORD FILE

NAME	
CLASS/ SEC	XI

INDEX

Computational Thinking and Programming – I (PYTHON)

Sl. No.	Term 1 Programs		Date of Completion	Tr. Sign	
1)	WAD to a supple of a local transition			Completion	Sign
2)	WAP for color lating simple integers x and n.				
3)	WAP for calculating simple interest.				
3)	WAP to accept a number from the user and display whether it is an even number or Odd number.				
4)	WAP to accept the day of the week from	m the user and print the	day of the		
-	week in words	in the user and print the	day of the		
5)	WAP to check whether the given year is	leap year or not.			
6)	WAP to take accept two numbers and operator from the user and create a				
	menu to provide four functions of a calcu	-			
7)	WAP to accept a character from the use	is a letter,			
	digit, space, or a special character.				
8)	WAP to accept three numbers from the u	est and the			
	smallest number (using relational operator				
9)	WAP to accept percentage of a student		ding grade		
	based on the criteria specified in the table				
	Percentage	Grade			
	>=90 Between 80 and 89	A B			
	Between 70 and 79	C			
	Between 60 and 69	D			
	Between 50 and 59	E			
	<50	F			
10)	WAP to find the sum and product of first				
11)	WAP to find and display the sum of first	·s			
12)	WAP to print all the factors of a given nu	umber.			
13)	WAP to print all the numbers in the given				
	Num.				
14)	WAP to print the series 1,3,5,7,9 N				
15)	WAP to count the number of negative numbers, positive numbers, odd and				
	even numbers from a list of numbers entered by the user. The list terminates				
10	when the user enters a zero.				
16)	WAP to accept a number from the user and check if it is a palindrome or not.				
17)	WAP to print Fibonacci series up to a certain limit.				
18)	WAP to display prime numbers up to a certain limit.				
19)	WAP to accept a number, find and display whether it's an Armstrong				
20)	number or not. WAP to print the sum of the series				
40)	WAP to print the sum of the series $1+x^{1}/1!+x^{2}/2!+x^{n}/n!$ [Exponential series]				
21)	WAP to accept a string and display whether it is a palindrome.				
	WAP to accept a string and display whether it is a paintaronie. WAP to accept a string (a sentence) and returns a string having first letter of				
22)	each word in capital letter.				
	cach word in capital letter.				

23)	Write a program that accepts a string. Count and print the following	
	present in the given string	
	No. of Characters	
	No. of Spaces	
	No. of Letters (Alphabet)	
	No. of Digits	
	No. of Upper-Case Letters	
	No. of Lower-Case Letters	
	No. of Special Characters	
	No. of Words	
24)	Write a menu driven program that implements nested loop to print any	
	pattern based on user's choice (Any Three)	

Note:

- Start Each program on a fresh page
- Add appropriate comments wherever needed to explain the logic

Program 1:

WAP to compute x^n of given two integers x and n.

SOURCE CODE:

```
#Accepting Values
x=int(input("Enter Value for x :"))
n=int(input("Enter Value for n : "))
r=x**n #Computing x raised to n
print(x,"**",n ,"is",r) #Output statement
```

OUTPUT:

```
Enter Value for x :12
Enter Value for n : 4
12 ** 4 is 20736
```