ARTIFICIAL INTELLIGENCE

ASSIGNMENT 1

BASICS OF PYTHON

FOR ARITIFICIAL INTELLIGENCE

Python is a general purpose high level, dynamic and interpreted programming language

Where we can use Python language:

- 1)For developing Desktop application
- 2) For developing web application
- 3)For developing games
- 4)For machine learning
- 5) For developing Artificial intelligence application

Features Of Python:

- 1)Simple and easy to learn
- 2)Open Source
- 3) High level programming language.
- 5) Dynamically Typed
- 6)Interpreted
- 8) Supports Dynamic memory Allocation.

Identifier:

It is a name given to variables, function, class.

Identifier Rules:

Rule-->1

In identifier Part we can Pass both alphabets(upper case/Lower case)

Rule-->2

In identifier part we can use number but should not starts with number

Rule-->3

special symbol are not allowed except underscore()

Rule-->4

Can have maximum 79 characters

Rule-->5

keywords can't be used in identifier part

Rule:-->6

PEP-8 (Python Enhancement proposal) Document that provides guidelines and how to practice on how to write Python code.

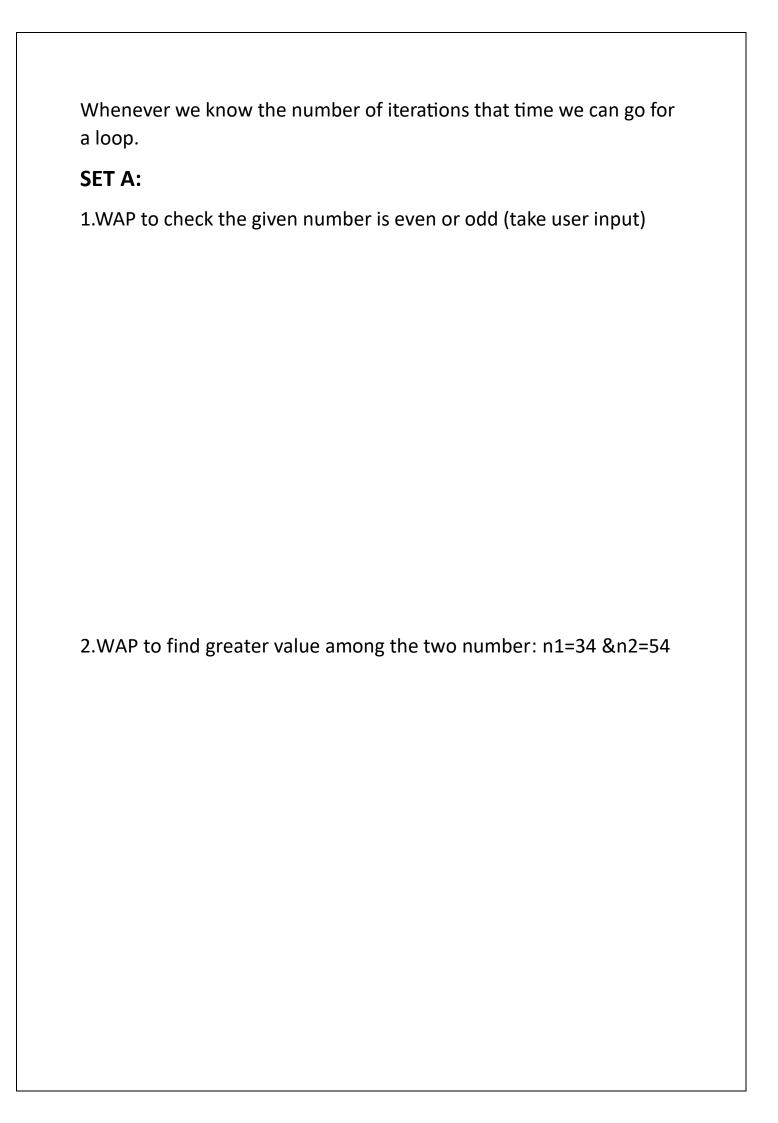
KEYWORDS:

1. Special words which are reserved and it have special meaning

2.In Python total 35 keywords are Present
3. How to get all the keywords in group format:
help("keywords")
Flow control statements:
Controlling the flow of program execution is called flow control statements.
Flow control statement is classified into 2 types,
1.conditional flow control statement
2.loop flow control statement

1).conditional flow control statement:
*Controlling a flow of program execution based on condition is called a conditional flow control statement.
*Conditional statement is classified into 4 types,
1.simple if
2.if-else
3.elif
4.nested if-else

2)Loop flow control statement:

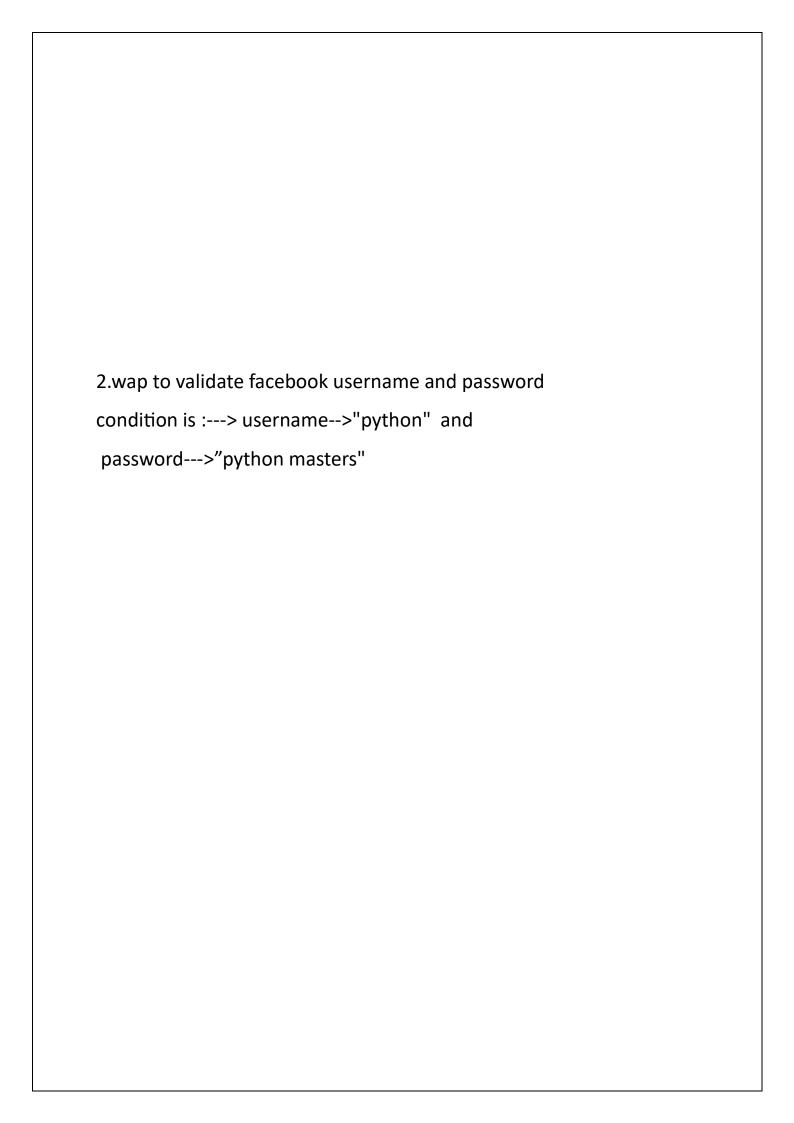


3.WAP to give hike to an employee based on his experience, you should ask employee date of joining exp 0 to 2 years no hike and 3 to 5 years Rs5000 hike, and 6 to 8 years RS7000 and 9 to n years Rs10000 (use elif)

SET B:

1.wap to check the number is odd and check if the number is divisible by 7(nested if-else)

n=35



SET C:
1.WAP to print each characters in given string by for loop
2.wap to print the number form 1-20 segregate even and odd number into list(FOR LOOP)

	ven the print its square els	se print its cube
c=[2,4,5,3,7,9]		
Assignment Evalu	ation:	
): Not Done []	1: Incomplete []	
	ent [] 4: Complete []	5: Well done []
3: Needs Improveme		
3: Needs Improveme		