Python Programming

Loops Practice Programs

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Ι.	Create a	PVIIION	program	nameu	IOODT.	DV IIIai	นบยร แ	ie iolio	WILLS:

a. Ask the user to enter a number 100 or high	TOO OF HIGHET
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- b. If the number is not 100 or higher, a loop will keep asking the user to enter a number until one 100 or higher is entered.
- c. Next, another loop will run that outputs all numbers from 100 to the number the user entered.

Sample run:	
Please enter even number 100 or greater: 110	
100	
101	
102	
103	
104	
105	
106	
107	
108	
109	

2. Create a loop that produces the following output. Your program should have one two lines of code.

Sample run:

- 3. Create a program that does the following:
 - a. Asks the user for maximum value.
 - b. Asks the user to enter a value that numbers should be divisible.
 - c. Loops from 1 to the maximum value and outputs just those numbers that are divisible by the user entered by the user.

Sample run:

Enter a maximum value: 20
Enter value numbers should be divisible by: 3
3 is divisible by 3
6 is divisible by 3
9 is divisible by 3
12 is divisible by 3
15 is divisible by 3
18 is divisible by 3

4. Create a Python program with the following two lines in the main part of the program.

```
choice = menu()
print("You chose menu option", choice)
```

Create the rest of the program, which will be a user-defined function names menu(). This function will present the user with the following menu, require a valid user input (1-3), loop and ask for user input again if invalid user input is entered, and then produce the output shown below once the correct user input is supplied. This can be done with a while loop and does not require a try... catch.

Sample run:

MAIN MENU

- 1. Print pay check
- 2. Change benefits
- 3. Exit

Chose menu option (1-3): 5

Invalid choice. Please enter 1-3: dd Invalid choice. Please enter 1-3: 1

You chose menu option 1