ASSIGNMENT 4
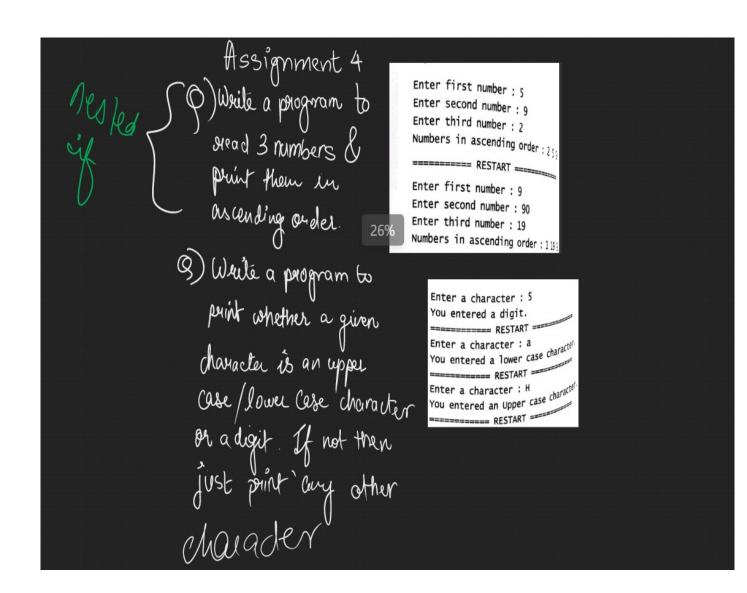
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QUESTIONS

Assignment 4

nested if

Q) Write a program to read 3 numbers & print them in ascending order.

```
Enter first number : 5
Enter second number : 9
Enter third number : 2
Numbers in ascending order : 2 5 9
========== RESTART ==========
Enter first number : 9
Enter second number : 90
Enter third number : 19
Numbers in ascending order : 1 19 9
```

Q) Write a program to print whether a given character is an upper case/lower case character or a digit. If not then just print 'any other character'

```
Enter a character : 5
You entered a digit.
========== RESTART ==========
Enter a character : a
You entered a lower case character.
========== RESTART ==========
Enter a character : H
You entered an Upper case character.
========== RESTART ==========
```

Q1:

code:

```
a=int(input("enter first number:"))
b=int(input("enter second number:"))
c=int(input("enter third number:"))
if a<b and a<c:
    if b<c:
        print("ascending order:",a,b,c)
    else:
        print("ascending order:",a,c,b)
elif b<a and b<c:
    if a<c:
        print("ascending order:",b,a,c)
    else:
        print("ascending order:",b,c,a)
else:
    if a<b:
        print("ascending order:",c,a,b)
    else:
        print("ascending order:",c,b,a)
```

output:

```python
#ascending order
a=int(input("enter first number:"))
b=int(input("enter second number:"))
c=int(input("enter third number:"))
if a<b and a<c:
    if b<c:
        print("ascending order:",a,b,c)
    else:
        print("ascending order:",a,c,b)
elif b<a and b<c:
    if a<c:
        print("ascending order:",b,a,c)
    else:
        print("ascending order:",b,c,a)
else:
    if a<b:
        print("ascending order:",c,a,b)
    else:
        print("ascending order:",c,b,a)
```

```
enter first number:123
enter second number:1233
enter third number:1
ascending order: 1 123 1233
```

Q2:
code

```python
choice=input("enter a character:")
if choice>='0' and choice<='9':
    print("you entered a digit")
elif choice>='A' and choice<='Z':
    print("you entered an upper case letter")
elif choice>='a' and choice<='z':
    print("you entered a lower case letter")
else:
    print("you entered  any other character")
```

Output:

```
choice=input("enter a character:")
if choice>='0' and choice<='9':
    print("you entered a digit")
elif choice>='A' and choice<='Z':
    print("you entered an upper case letter")
elif choice>='a' and choice<='z':
    print("you entered a lower case letter")
else:
    print("you entered  any other character")
```

```
enter a character:=
you entered  any other character
```