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main.py

```
1 #Write a program that return number of digits in number?
2 def count_digits(number):
3     return len(str(number))
4 number=98765
5 print("Number of digits:",count_digits(number))
```

input

Number of digits: 5

...Program finished with exit code 0
Press ENTER to exit console.

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main.py

```
1 #Write a program to take 3-digit integer as input and print every digit of it
2 digit=input("enter the 3 digit number:")
3 for i in str(digit):
4     print(i)
```

input

```
enter the 3 digit number:100
1
0
0

...Program finished with exit code 0
Press ENTER to exit console.
```



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main.py







```
1 #Write a program to print union and intersection of two set
2 a={1,2,3,4,5,6}
3 b={4,5,6,7,8,9}
4 print(a.union(b))
5 print(a.intersection(b))
```



input



```
{1, 2, 3, 4, 5, 6, 7, 8, 9}
{4, 5, 6}

...Program finished with exit code 0
Press ENTER to exit console.
```

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main.py

```
1 #write a program to remove duplicates in a list
2 arr=[4,7,8,2,7,9,2,3]
3 arr2=[]
4 for num in arr:
5     if num not in arr2:
6         arr2.append(num)
7 print("List with duplicates:",arr2)
```

   input

```
List with duplicates: [4, 7, 8, 2, 9, 3]

...Program finished with exit code 0
Press ENTER to exit console.
```

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main.py

```
1 #Write a function to return sum of even numbers and odd numbers between a range
2 def sum(start,end):
3     even=0
4     odd=0
5     for num in range(start,end+1):
6         if num%2==0:
7             even+=num
8         else:
9             odd+=num
10    return even,odd
11 start_range=int(input("Enter the num:"))
12 end_range=int(input("Enter the num:"))
13 even,odd=sum(start_range, end_range)
14 print("sum of even numbers:",even)
15 print("sum of odd numbers:",odd)
```

input

```
Enter the num:15
Enter the num:77
sum of even numbers: 976
sum of odd numbers: 1037

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 #Write a program to print in three lines using one print statement
2 print("Hey\nIam\nHere")
```

```
Hey
Iam
Here
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

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```
1 #Write a program to convert list into string?
2 my_list=["Hey","There","Iam","Using","Whatsapp"]
3 my_string = " ".join(my_list)
4 print(my_string)
```



input

Hey There Iam Using Whatsapp

...Program finished with exit code 0
Press ENTER to exit console.

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Language Python 3

main.py

```
1 #Write a program to find the number of words in a sentence?
2 string=input("Enter a string:")
3 words=string.split()
4 print("Number of words:",len(words))
```

input

```
Enter a string:Good Morning India
Number of words: 3

...Program finished with exit code 0
Press ENTER to exit console.
```



```
1 #Write a program that return number of digits in number?
2 def count_digits(number):
3     return len(str(number))
4 number=98765
5 print("Number of digits:",count_digits(number))
```

input

Number of digits: 5

...Program finished with exit code 0
Press ENTER to exit console.

```
1 #Write a program to check whether a word is present in sentence or not?
2 sentence="Hey! There Iam using Whatsapp"
3 word="Whatsapp"
4 if word in sentence:
5     print("The word is present in the sentence")
6 else:
7     print("The word is not present in the word")
```

input

The word is present in the sentence

...Program finished with exit code 0
Press ENTER to exit console.