

```
In [6]: # an integer as input from the user using input()
a = int(input('Enter a number'))
a
```

Out[6]: 34

```
In [8]: #accept a float input from the user
b = float(input('Enter a num'))
b
```

Out[8]: 45.0

```
In [14]: #check if a number entered by the user is positive, negative, or zero
x = int(input('Enter a num'))
if x > 0:
    print("Enter positive number")
elif x < 0:
    print("Negative number")
else:
    print("Its zero")
```

Negative number

```
In [30]: # multiple space-separated values as input
a = input("Enter a value:").split()
```

```
In [40]: # split fuc = used to divide a string into a list of substrings based on a spec
text = "Odisha is beautifull" # convert user input to a list of integers:
word = text.split()
print(word)
```

['Odisha', 'is', 'beautifull']

```
In [56]: #a string input and print it in uppercase
a = input("Enter a string")
print(a.upper())
```

RATNA

```
In [60]: # program that accepts a string and prints the number of vowels in it.
x = input("Enter a text" )
vowels = 'a,e,i,o,u'
count = sum(1 for char in x if char.lower() in vowels)
print("no.of vowels: ",count)
#This line uses a generator expression to iterate over each character in the inp
```

no.of vowels: 2

```
In [62]: #program that takes a number as input and checks if it is even or odd
x = int(input("Enter a number"))
if x%2==0:
    print("its even")
else:
    print("its odd")
```

its odd

```
In [83]: # if a string is a palindrome using `input()`
y = input('enter text')
```

```
if y[::-1]:
    print("its palindrome")
else:
    print("its not")
```

its palindrome

```
In [81]: text = input("Enter a string")
if text == text[::-1]:
    print("Palindrome")
else:
    print("Not a palindrome")
```

Palindrome

```
In [85]: #a program that takes a number as input and prints its square.
r = int(input("Enter a number"))
s = r * r
print(s)
```

625

```
In [89]: #a program that asks for a number and prints whether it is divisible by 3.
w = int(input("Enter a number"))
if w%3==0:
    print("divisibile by 3")
else:
    print("not divisibe by 3")
```

divisibile by 3

```
In [ ]: #check if a number is divisible by both 3 and 7
t = int(input("Enter a number"))
if t%3==0 & t%7==0:
    print("")
```