

17. How can you accept a boolean value (True/False) from the user?

```
input_True_False = input("Enter true or false(true/ false):")
print("True" * int(input_True_False.upper() == "TRUE"))
print("False" * int(input_True_False.upper() == "FALSE"))
print("Allowed only true / false" * int((input_True_False.upper() != "TRUE") and (input_True_False.upper() != "FALSE")))
```

Enter true or false(true/ false):test

Allowed only true / false

Double-click (or enter) to edit

18. Write a program that accepts a string and prints the reverse of that string.

```
input_user_string = input('Enter your text should be in alphabets :')
print(input_user_string[::-1])
```

Enter your text should be in alphabets :reverse
esrever

19. Write a program that asks for a user's name and age and prints a message.

```
input_username = input("Enter your username :")
input_age = input("Enter your age :")
print(f"Welcome, {input_username}! You are just {input_age} years old.")
```

Enter your username :Test
Enter your age :55
Welcome, Test! You are just 55 years old.

21. How do you prevent a user from entering an empty string?

```
value = ''
def askInput():
    value = input('Enter your text!!')
    print(f" you have entered the text as '{value}'" * int(value.isalpha() == True))
    #value == '' and askInput()
    value == '' and askInput()
    return value
```

askInput()

#print(askInput() * int(value.isalpha() == False))

Enter your text!!
Enter your text!!test
you have entered the text as 'test'
..

22. Write a program to check if the entered number is a perfect square.

```
import math as m
input_number = int(input("Enter your number to check if it is a perfect square :"))
#print((m.sqrt(input_number).is_integer()))
print(f"Its is a perfect square for {m.floor(m.sqrt(input_number))}" * int((m.sqrt(input_number).is_integer() == True))
print(f"Its is a perfect not a square" * int((m.sqrt(input_number).is_integer() == False))
```

Enter your number to check if it is a perfect square :9
Its is a perfect square for 3

23. Write a program that asks for a year and determines if it's a leap year.

```
input_year = int(input("Enter your year to check if it is a leap year :"))
print(f"Its is a leap year" * int((input_year % 4 == 0) == True))
print(f"Its is not a leap year" * int((input_year % 4 == 0) == False))
```

Enter your year to check if it is a leap year :2024
Its is a leap year


24. How can you remove leading and trailing spaces from a string input?

```
input_string = input("Enter your text with some spaces either at starting or ending of the text. :")
print(input_string.strip())
```

Enter your text with some spaces either at starting or ending of the text. : yyyy
yyyy

25. How do you handle incorrect inputs when you expect an integer using input()?

```
input_text = input('Enter your input:')  
print(f"You have entered valid input {input_text}" * (input_text.isdigit() == True))  
print("Enter valid input" * (input_text.isdigit() == False))
```

 Enter your input:7
You have entered valid input 7

26. Write a program that accepts a string and counts the occurrence of a particular character.

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