### **50 basic things you can do with Python**

### **1. Print a message**

print("Hello, India!")

### **2. Declare a string variable**

name = "Priya"

print(name)

### **3. Declare an integer variable**

age = 25

print(age)

### **4. Declare a float variable**

price = 99.99

print(price)

### **5. Concatenate strings**

first\_name = "Raj"

last\_name = "Kumar"

full\_name = first\_name + " " + last\_name

print(full\_name)

### **6. Concatenating strings and integers (with conversion)**

name = "Anil"

age = 30

print(name + " is " + str(age) + " years old.")

### **7. Using formatted strings**

name = "Sita"

age = 22

print(f"My name is {name} and I am {age} years old.")

### **8. Simple addition of integers**

a = 5

b = 10

print(a + b)

### **9. Simple subtraction of integers**

a = 20

b = 8

print(a - b)

### **10. Multiplying integers**

a = 4

b = 7

print(a \* b)

### **11. Dividing integers (float result)**

a = 10

b = 3

print(a / b)

### **12. Dividing integers (integer result using //)**

a = 10

b = 3

print(a // b)

### **13. Modulus (remainder)**

a = 10

b = 3

print(a % b)

### **14. Exponentiation (power of integers)**

a = 2

b = 3

print(a \*\* b)

### **15. Simple addition of floats**

x = 5.5

y = 3.2

print(x + y)

### **16. Subtracting floats**

x = 10.5

y = 2.25

print(x - y)

### **17. Multiplying floats**

x = 4.1

y = 2.3

print(x \* y)

### **18. Dividing floats**

x = 9.0

y = 3.0

print(x / y)

### **19. Using float in formatted strings**

price = 49.99

print(f"The price of the item is Rs.{price}")

### **20. Combining string and float in print statement**

item = "Shirt"

price = 450.75

print("The price of the " + item + " is " + str(price))

### **21. Concatenating multiple strings**

greeting = "Good" + " " + "Morning"

print(greeting)

### **22. Converting float to integer**

x = 45.8

print(int(x))

### **23. Converting integer to float**

age = 21

print(float(age))

### **24. Storing the result of an addition**

a = 15

b = 30

result = a + b

print(result)

### **25. Storing the result of subtraction**

a = 40

b = 12

result = a - b

print(result)

### **26. Storing the result of multiplication**

a = 6

b = 9

result = a \* b

print(result)

### **27. Storing the result of division**

a = 20

b = 4

result = a / b

print(result)

### **28. Storing the result of integer division**

a = 22

b = 5

result = a // b

print(result)

### **29. Converting string to integer**

number\_str = "100"

print(int(number\_str))

### **30. Converting string to float**

number\_str = "99.99"

print(float(number\_str))

### **31. Printing multiple variables in one statement**

name = "Rohan"

age = 19

print("Name:", name, "Age:", age)

### **32. Print formatted string with multiple variables**

name = "Amit"

salary = 50000.50

print(f"{name}'s salary is Rs.{salary}")

### **33. Multiplying string with integer (repeating string)**

name = "Amit"

print(name \* 3)

### **34. Using a string with a float result**

total\_cost = 150.50

print("The total cost is: Rs." + str(total\_cost))

### **35. Store a float result in a variable**

x = 10.5

y = 4.2

result = x + y

print(result)

### **36. Print a string and integer together using commas**

age = 30

print("I am", age, "years old.")

### **37. Convert float to string**

num = 45.78

print(str(num))

### **38. Convert integer to string**

num = 45

print(str(num))

### **39. Float arithmetic result stored as float**

a = 1.5

b = 2.0

result = a \* b

print(result)

### **40. String with special characters**

text = "Hello, \"India\"!"

print(text)

### **41. Escape character for a newline in string**

text = "Hello\nIndia"

print(text)

### **42. Escape character for a tab in string**

text = "Hello\tIndia"

print(text)

### **43. Storing integer arithmetic result in variable**

a = 8

b = 3

result = a // b

print(result)

### **44. Printing without newline (using end)**

print("Hello", end=" ")

print("India")

### **45. Using a float and integer in a calculation**

price = 100.50

quantity = 3

total = price \* quantity

print(total)

### **46. Concatenating string with arithmetic result**

x = 10

y = 5

print("The result is: " + str(x + y))

### **47. Print integer and float together using commas**

x = 45

y = 9.5

print("x:", x, "y:", y)

### **48. Add integer and float**

x = 10

y = 5.5

print(x + y)

### **49. Combining arithmetic and formatted strings**

x = 10

y = 5

result = x + y

print(f"The sum of {x} and {y} is {result}")

### **50. String slicing (printing part of string)**

text = "Namaste India"

print(text[0:7]) # Prints 'Namaste'