**Practice Questions**

1. What is Python and why is it popular?
2. What are the different data types in Python? Provide examples.
3. What are variables in Python and how do you declare them?
4. What are the types of operators in Python? Give examples.
5. Write a Python program to check if a number is even or odd.
6. Write a Python program to print the first 5 positive integers using a for loop.
7. What will be the output of the following code?

python

Copy code

x = 5

y = 10

if x < y:

print("x is less than y")

else:

print("x is greater than or equal to y")

1. Write a Python program to calculate the sum of numbers from 1 to 10 using a while loop.
2. What is the difference between a list and a tuple?
3. Write a Python program to find the largest number from a list using a for loop.
4. What will be the output of the following code?

python

Copy code

x = 7

if x > 0:

print("Positive")

elif x < 0:

print("Negative")

else:

print("Zero")

1. Write a Python program to display the multiplication table of 5 using a for loop.
2. What will the following code output?

python

Copy code

count = 0

while count < 5:

print(count)

count += 1