

1. Write a Python program to print "Hello World"?

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In [1]: print("Hello World")
```

Hello World

2. Write a Python program to do arithmetical operations addition and division.?

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In [2]: # Declare two variables with values
num1 = 10
num2 = 5

# Add the two numbers
result_add = num1 + num2

# Divide the result by 2
result_div = result_add / 2

# Print the results
print("The sum of", num1, "and", num2, "is", result_add)
print("The result of the addition divided by 2 is", result_div)
```

The sum of 10 and 5 is 15

The result of the addition divided by 2 is 7.5

3. Write a Python program to find the area of a triangle?

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In [3]: # Declare the base and height of the triangle
base = 10
height = 5

# Calculate the area of the triangle
area = (base * height) / 2

# Print the result
print("The area of the triangle is", area)
```

The area of the triangle is 25.0

4. Write a Python program to swap two variables?

```
In [4]: # Declare two variables with values
num1 = 10
num2 = 5

# Print the values before swapping
print("Before swapping: num1 =", num1, "and num2 =", num2)

# Swap the values
temp = num1
num1 = num2
num2 = temp

# Print the values after swapping
print("After swapping: num1 =", num1, "and num2 =", num2)
```

Before swapping: num1 = 10 and num2 = 5

After swapping: num1 = 5 and num2 = 10

5. Write a Python program to generate a random number?

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In [5]: import random

# Generate a random integer between 1 and 10
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random_number = random.randint(1, 10)

# Print the random number
print("The random number is:", random_number)
```

The random number is: 10

In [ ]: