

Questions for 120 Exam:

Name the two theoretical machines that Charles Babbage developed.

What was the Antikythera Device?

Give the code to declare an integer variable called x and then assign it the number 10.

Give the code to print out "Hello World".

What is the difference between operand and operator?

Give an example of a binary operator and a unary operator.

Who was Augusta Ada Byron, the Lady Lovelace, and why was she important?

Give a detailed algorithm for getting a glass of water.

What is an algorithm?

What are these three symbols: <=, &&, ||

Give the truth table for two variables x and y for logical AND.

Write the code to find the remainder r when dividing numbers x and y.

Declare a String variable and give it the value of your name.

What does this code snippet output:

```
int a = 5;
int b = 3;
int c = a / b;

System.out.println(c);
```

What is a program?

What does this code snippet output:

```
int x = 7;
int y = 9;
int z = 3;
int a = x-y*z;
System.out.println(a);
```

Give a detailed algorithm for making a peanut butter and jelly sandwich

Complete this program:

```
import java.util.*;
```

```
//This program will find the average of two numbers and print out the result
```

```
public class MyProgram {  
    public static void main(String args[]) {  
    }  
}
```

What are two ways to add 1 to a value?

What do == and != mean?

Give the truth table for a variable x and the logical operator NOT.

What are the two dominant research areas for robotics?