Regan

1. Data Types:

Question: What is the difference between int and double in Java?

* - **int** is used for whole numbers and is more memory-efficient.
* **double** is used for numbers with decimal points and offers greater precision and range.

2. Conditional Statements:

Question: How do you write an if-else statement that checks if a number is positive or negative in Java?

* if (number > 0) {

System.out.println("Positive");

} else if (number < 0) { System.out.println("Negative");

} else {

System.out.println("Zero");

}

3. Loops:

Question: Write a for loop that prints the numbers from 1 to 5.

- for (int i = 1; i <= 5; i++) {

System.out.println(i);

}

4. Methods:

Question: How do you declare a method in Java that takes two int parameters and returns their sum?

- int sum(int a, int b) {

return a + b;

}

5. Arrays:

Question: How do you create an array of 5 integers in Java?

- int[] numbers = new int[5];

Maricus

1. how to do a variable

- int myVariable = 10;

1. How to divide

- int result = 10 / 2; // result is 5

1. How to add 2 variables togethers

- int sum = a + b;

1. Explain the difference between the following: divMod, % and /

* - **/ (Division):** Gives you the quotient of a division.
* **% (Modulus):** Gives you the remainder of a division.

1. How would you do a multiplication sum

- int product = 4 \* 5; // product is 20