> Which of these countries has the largest population?

India

> What is considered as your computer's short-term memory?

RAM

> In most modern computers, each memory address holds a \_\_\_\_\_

kilobyte

> `~` is an alias for \_\_\_\_\_

The parent directory

​> Which command would you use to rename a file?

rn

​> When running `ls`, which option can you give to list hidden files?

-a

​> Which command is used to create a new file?

[ ] cat

> What does `git add -A` do?

[ ] Stages all new files and changes in the current working directory

​> How do you create a new branch named `integration` and checkout to it in one command?

[ ] git branch integration

​

​# [2] Short Answers - 9%

​### Explain the differences between `var`, `let` and `const`:

Var

The JavaScript variables statement is used to declare a variable and, optionally, we can initialize the value of that variable.

Example: var a =10;

let

The let statement declares a local variable in a block scope. It is similar to var, in that we can optionally initialize the variable.

Example: let a =10;

Const

const statement values can be assigned once and they cannot be reassigned. The scope of const statement works similar to let statements.

Example: const a =10;

### Name two features of strings defined with backticks which are not possible with `''` and `""`:

​ in JavaScript there are two main ways to declare strings:

Using single quotes ''.

Using double quotes "".

However, with the specification, it was possible to create what is known as template literals or template strings for which it is enough to encapsulate text in backticks

​### Explain what the following code will do:

js

let a = 7;

let b = 0;

for (let i = 7; i <= a; i--) {

b += 1;

console.log(b)

}

The value of a is assigned to be 7. The value of b is assigned to be 0. Inside the for loop the value if i is initiated to 7. The loop checks for the condition where the value of i is less than or equal to a. Since the value of i and a are the same the loop is executed only once. Inside the loop the 1 is added to value of b. Since initially b was assigned 0 and now 1 is being added, the output of the console.log will be 1