

~~Ques~~

1. Ans:

Peripherals are those device that connect to the ~~no~~ main system externally. Like USB mouse is an external device that connects to the ~~pc~~ computer via ~~the~~ USB port. ~~The~~ Peripherals can be input, output and storage device. i.e. ~~keyba~~ keyboard, ~~a~~ monitor, Hard drive, etc..

~~USB port is an external device. We call it~~

The devices ~~at~~ that are external to the main system ~~&~~ (main system means CPU, chipset, RAM are peripherals and as USB port is used to connect ~~&~~ external devices like mouse, keyboard etc. It is a faster port compared to serial/parallel. So USB port isn't a peripheral device rather it connects peripheral devices to main system. So the statement is

~~False.~~

20

2. Ans.

There are 5 operators in arduino.

1. Arithmetic operator
2. Comparison
3. Boolean
4. Bitwise
5. Compound

Compound operator.

Name	Example
*) Increment	$A = 5; A++;$ Now $A = 6$
*) Decrement	$A = 5; A--;$ Now $A = 4$
*) Compound addition	$A = 5; B = 6; B += A;$ Now $B = 11$ $B = B + A$
*) Subtraction	$B -= A; \text{ Now } B = 1; B = B - A$
*) Multiplication	$B *= A; \text{ Now } B = 30; B = B * A$
*) Division	$B /= A; \text{ Now } B = 1.2; B = B / A$
*) modulo	$B \% = A; \text{ Now } B = 1; B = B \% A$
*) bitwise OR	$B = A; B = B A$
*) AND	$B \&= A$ Now, $B = 7$

$$\begin{array}{r}
 0110 \\
 0101 \\
 \hline
 0111
 \end{array}$$

* Bitwise And

$B \& A; B = B \& A;$
 $\therefore \text{Now, } B = 4$

0	1	1	0
0	1	0	1
<hr/>			
0	1	0	0

3)

```
void setup() {
```

```
  input = 5
```

```
  Serial.begin(9600);
```

```
  input = Serial.read();
```

```
  if (input == 0)
```

```
    Serial.print("Jon Snow");
```

```
  else
```

```
    Serial.print("Anya Stark");
```

```
  Serial.close();
```

```
}
```

```
void loop()
```

```
{
```

```
}
```

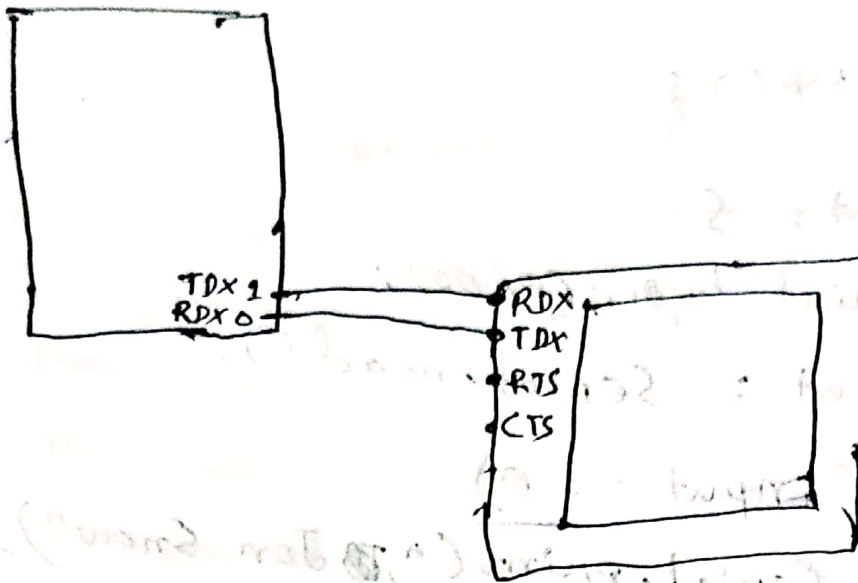


fig : Diagram

A handwritten signature or scribble, possibly a stylized 'P' or 'R', with a long horizontal line extending from its base.