What is the name of the sketch to configure the pins? *

○ main()

● setup()

○ configure()

○ loop()

What is the correct code for configuring the pin 13 to be output? *

○ pinMode(OUTPUT,13);

● pinMode(13,OUTPUT);

○ digitalWrite(13,OUTPUT);

○ digitalRead(13);

To define an array containing pins' numbers from 4-8 on the Arduino, choose the correct line of code to do that: *

○ char pins[] = 4,5,6,7,8;

○ int pins[] = 4,5,6,7,8;

◉ int pins[5] = {4,5,6,7,8}

○ int pins = {4,5,6,7,8}

What is the best data type to carry a variable of value (-12.7): *

○ int

○ char

○ byte

◉ float

The correct way to loop over an array of 8 pins starting from 4 to 11 to configure them as output pins using for loop is: *

```
for(int i=8;i>=0;i++)
    pinMode(pins[i],OUTPUT);
```

○ Option 1

```
for(int i=4;i>=11;i--)
    pinMode(pins[i],OUTPUT);
```

○ Option 2

```
for(int i=4;i<12;i++)
    pinMode(pins[i],OUTPUT);
```

◉ Option 3

```
for(int i=0;i<8;i++)
    pinMode(pins[i],OUTPUT);
```

○ Option 4

It is required to write an embedded program for a simple traffic light system. For the cars, you have a 3 colors: Red (connected to pin 4), Yellow (Connected to pin 5), Green (Connected to pin 6). It is required that the red light will be on for 15 secs, then yellow for 3 secs, and then green for 60 secs, then yellow for 3 secs, then red for 15 secs and so on. For the passengers, you have only 2 colors: Blue (Connected to pin 7), Orange (Connected to pin 8). The blue light indicates that the passenger can cross the street, which happens when the red light for the cars is on, and the orange light for the passengers indicates that the passenger must not cross the street, which happens when the yellow and green lights for cars are on. Develop such system. *

إجابتك