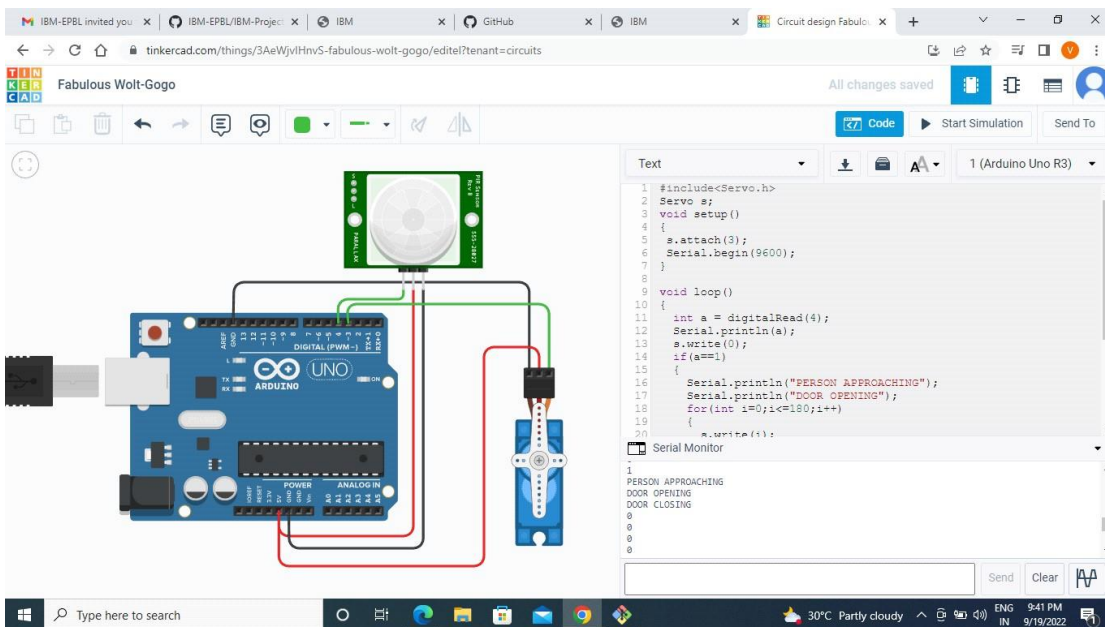


Assignment 1-AUTOMATIC DOOR CLOSER

Assignment Date	19 September 2022
Student Name	Ms. Vishali S
Student Roll Number	9517201903175
Maximum Marks	2 Marks



CODE:

```
#include<Servo.h>
```

```
Servo s; void
```

```
setup()
```

```
{
```

```
s.attach(3);
```

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

```
}
```

```
void loop()
```

```
{
```

```
  int a = digitalRead(4);
```

```
  Serial.println(a);
```

```
  s.write(0); if(a==1)
```

```
  {
```

```
    Serial.println("PERSON APPROACHING");
```

```
    Serial.println("DOOR OPENING"); for(int
```

```
    i=0;i<=180;i++)
```

```
    {
```

```
      s.write(i); delay(100);
```

```
    }
```

```
    Serial.println("PERSON ENTERED");
```

```
    Serial.println("DOOR CLOSING"); for(int
```

```
    i=180;i>=0;i--)
```

```
    {
```

```
      s.write(i); delay(100);
```

```
    }
```

```
  }
```

```
}
```

TINKER CARD LINK:

<https://www.tinkercad.com/things/3AeWjvIHnvS-fabulous-wolt-gogo/editel?sharecode=49z0rPxRCJuWFqvp3d66oajYalmtYubPI4MwLjTDVCO>