

Program no____13____

Program Title____Servo motor____

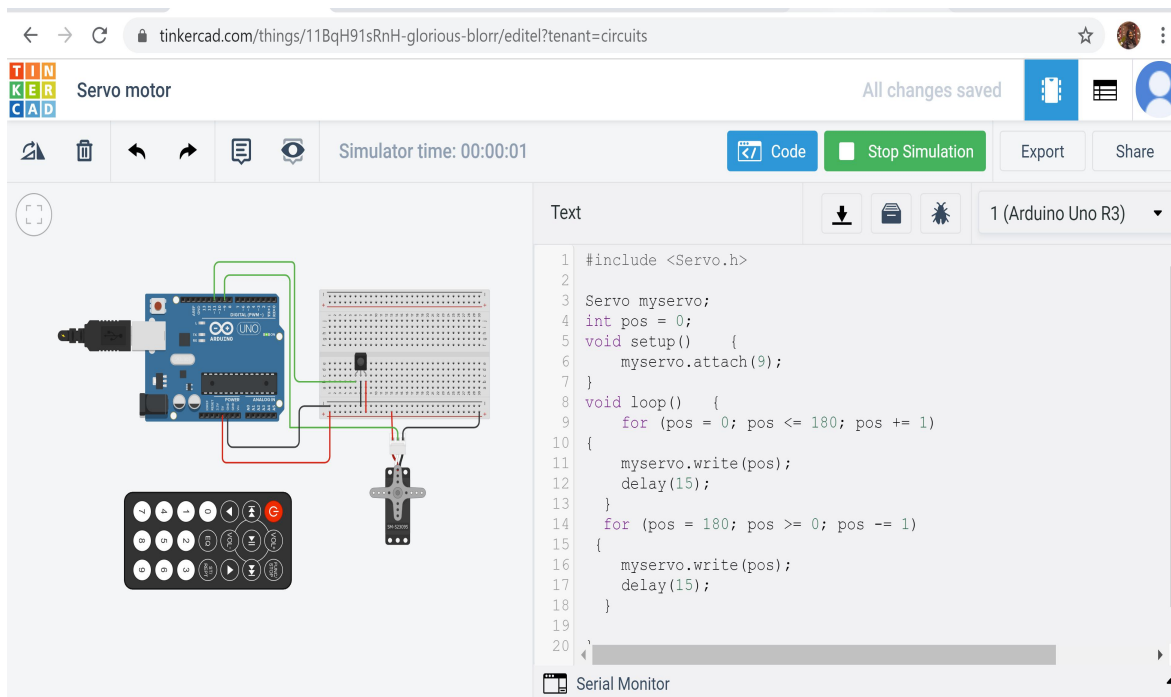
Aim:

Rotates clockwise and anticlockwise.

Hardware Required:

- Arduino Board
- Remote
- Servo Motor
- IR sensor

Circuit Diagram:



Code:

Date: /

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Experiment 13 → Servo Motor

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

```
Servo myservo;
```

```
void Setup()
```

```
myservo.attach(9);
```

```
}
```

```
void loop()
```

```
for (pos=0; pos<=180; pos+=1)
```

```
{
```

```
myservo.write(pos);
```

```
delay(15);
```

```
}
```

```
for (pos=180; pos>=0; pos-=1)
```

```
{
```

```
myservo.write(pos);
```

```
delay(15);
```

```
}
```

```
}
```

Observation /Output:

Rotates clockwise and anticlockwise.

