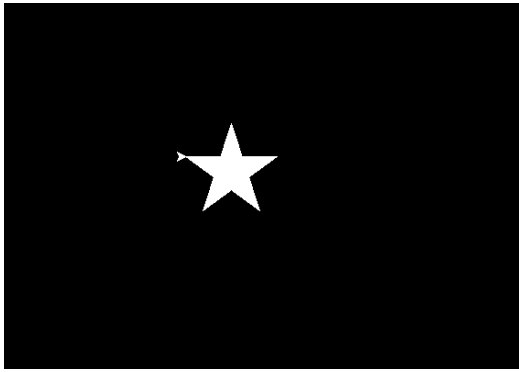


Program1:

```
import turtle as t
t1= t.Turtle()
t.bgcolor("black")
t1.color("white")
t1.begin_fill()
for i in range(5):
    t1.fd(100)
    t1.rt(144)
t1.end_fill()
```

Output:



Program2:

```
import turtle as t
```

```
t1= t.Turtle()
```

```
t.bgcolor("black")
```

```
def star(pos,color,length):
```

```
    t1.color(color)
```

```
    x,y = pos
```

```
    t1.pu()
```

```
    t1.setpos(x,y)
```

```
    t1.pd()
```

```
    t1.begin_fill()
```

```
    for i in range(5):
```

```
        t1.fd(length)
```

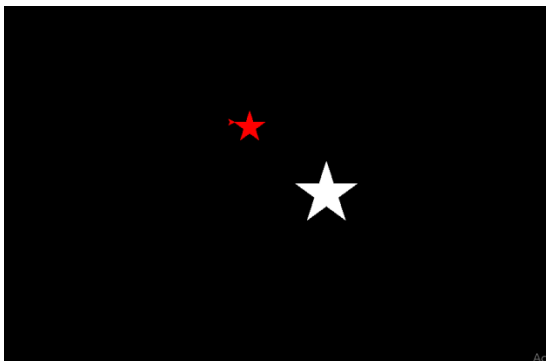
```
        t1.rt(144)
```

```
    t1.end_fill()
```

```
star((0,0),"white",100)
```

```
star((-100,100),"red",50)
```

Output:



Program3:

```
import turtle as t
```

```
t1 = t.Turtle()
```

```
t.bgcolor("black")
```

```
def star(pos,color,length):
```

```
    t1.pu()
```

```
    x,y = pos
```

```
    t1.setpos(x,y)
```

```
    t1.color(color)
```

```
    t1.pd()
```

```
    t1.speed(10)
```

```
    t1.begin_fill()
```

```
    for i in range(5):
```

```
        t1.fd(length)
```

```
        t1.rt(144)
```

```
    t1.end_fill()
```

```
x = -300
```

```
y = 75
```

```
c = ["violet","indigo","blue","green","yellow","orange","red"] #VIBGYOR
```

```
for i in range(0,600,30):
```

```
    star((x,y),c[i%7],600-i)
```

```
    x += 15
```

```
    y -= 5
```

Output:

