```bash
1  #!/bin/bash
2
3  # Prompt the user to enter a number from 1 to 9
4  echo "Enter a number from 1 to 9:"
5  read num
6
7  # Send the number to the broker using mosquitto_pub
8  mosquitto_pub -t "my_topic" -m "$num"
9
10 echo "Sent $num to the broker."
```