

```
%Guess the number game
```

```
theNumber = randi(100); %generate a random number between 1 and 100  
guess = 0; %initialize the guess to 0
```

```
%keep guessing until you get it right
```

```
while guess ~= theNumber  
    guess = input('Guess a number between 1 and 100: ');
```

```
    if guess>theNumber  
        fprintf('Too high. Guess again.\n')
```

```
    elseif guess<theNumber  
        fprintf('Too low. Guess again.\n')
```

```
    else %must be equal  
        fprintf('Correct!\n')
```

```
    end
```

```
end
```

```
>> guess_the_number1
```

```
Guess a number between 1 and 100: 50
```

```
Too high. Guess again.
```

```
Guess a number between 1 and 100: 25
```

```
Too high. Guess again.
```

```
Guess a number between 1 and 100: 12
```