

NUMBER GUESSING GAME.

I have written a C program that generates a random number and asks the player to guess it. If the player's guess is higher than the actual number, the program displays "Lower number please". Similarly, if the user guess is too low, the program prints "Higher number please".

PROGRAM CODE:

```
#include<stdio.h>

#include<stdlib.h>

#include<time.h>

int main()
{
    int number , guess, nGuesses=1 ;
    srand(time(0));
    number = rand()%100+1;
    do
    {
        printf("Guess the number between 1 to 100\n");
        scanf("%d",&guess);
        if(guess>number)
        {
            printf("Lower number please\n");
        }
        else if(guess<number)
```

```
{  
    printf("Greater number please\n");  
}  
else  
{  
    printf("Yah you got it! \n You took %d attempts to guess the number", nGuesses);  
}  
    nGuesses++;  
}  
    while(guess!=number)  
    return 0;  
}
```

Output:

Guess the number between 1 to 100

65

Greater number please

Guess the number between 1 to 100

77

Lower number please

Guess the number between 1 to 100

70

Greater number please

Guess the number between 1 to 100

73

Lower number please

Guess the number between 1 to 100

72

Yah you got it!

You took 5 attempts to guess the number