1. Understand the following method of random number generation.

```
#include<stdio.h>
#include<stdib.h>
#include<time.h>
int main()
{
    srand(time(NULL));
    int range=10000;
    int bound=(RAND_MAX+1)/range,x;
    do{
        x=rand();
    }while(x>=bound*range);
    printf("%d\n",x%range);
    return 0;
}
```

Please write a program to generate uniform distribute random number in range 15~35.

2. Pint RAND_MAX first and then write a program to generate uniform distribute random number in range0~131071.

```
Note: 131072=32768*4 rand()%4 is uniform distribution rand() is uniform distribute in 0^32767
```

3.	Use the concept of 1 and 2. Now input a number x (x>32767), write a program to
	generate uniform distribute random number in range 0~x-1.