```c
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#include <stdio.h>

int growth_population(int, int);
void analysis(int);

int main(){
        int in_rabbit, month, rab_controller, num_rabit;


        do{
                rab_controller=0;
                printf("Enter initial number of rabbits: ");
                scanf("%d",&in_rabbit);


                if(in_rabbit==0){
                        rab_controller=1;
                        printf("Sorry you cannot enter 0!\n");
                }

        }while(rab_controller==1);

        printf("Number of months: ");
        scanf("%d",&month);

        num_rabit= growth_population(month, in_rabbit);

        printf("At the end of month %d, rabbit population will be %d\n", month, num_rabit);
```

```c
        analysis(num_rabit);

        return 0;
}


int growth_population(int m, int initial_rabbits){
        if (m==0)
                return initial_rabbits;
        else
                return (1.25*growth_population(m-1, initial_rabbits));
}


void analysis(int rabbits){
        if (rabbits < 100)
                printf("Your farm will be a hobby farm!");
        else if (rabbits <=200)
                printf("Your farm will be a small farm!");
        else if (rabbits <=500)
                printf("Your farm will be a medium farm!");
        else if (rabbits <=1000)
                printf("Your farm will be a big farm!");
        else
                printf("Your farm will be a huge farm!");
}
```