

1. Write a program that will show whether you are an adult or not.
2. Write a program to check whether your roll no is even or odd.
3. Write a program to take a integer input from user and modify(increase or decrease in range 0-5) it so that it is closer to your roll no and divisible by 5.
4. Considering you roll no as the radius of the outer circle write a program that will show how many small circle of radius 3 unit the outer circle will contain and show the total unused area in the outer circle.  
**(if your roll no is in between 1-20 take any number from 60-75).**

5. Assume that your roll no is of three digit (for example roll no 5 can be considered as 005), the most left digit showing the no of bags you have, middle digit no of books, most right digit no of pens you have.

Now take your roll no as input and print

I have d1 no of bags

I have d2 no of books

I have d3 no of pens

and show which of these three you have the most(anyone).

6. print the pattern

```
*****
*****
*****
*****
```

this pattern is for input 4. Now take your own input and print the corresponding pattern.

7. print the pattern

input = 1

```
  *
 *
```

input = 2

```
  *
 *  *
```

input = 3

```
  *
 *  *
   *
```

input = 4

```
  *
 *  *  *
  *
```

Now take your your own input and make your corresponding pattern.

8. What is the number of steps you need to cross the value of your roll no if you are multiplying integers sequentially starting from 1. **(if your roll no is in between 1-20 take any number from 60-75).**

9. You have noticed that max three people can sit at a single desk, then what is the average number of desk that is needed to conduct your class daily.(Assuming that there are 113 students in your class).

10. Write a program that will show you your grade (A, B, C, D) according to the marks obtained from this assignment.