



```
{
```

```
    char name[25] = "Shudip Golder Ovei";
```

```
    int roll = 2401040;
```

```
    char batch[15] = "CSE-15B";
```

```
    printf ( "Assignment 102" );
```

```
}
```



```
#include <stdio.h>
int main()
{
    printf ( "Hello World!" );
    return 0;
}
```

1. Saud sir wants to give 1 Chips and 1 Chocolate to you all. Now help Saud sir to calculate the required amount.

Input Format

Take input A,X and Y . A refers the amount of the student of the class and X=price of chips, Y= price of chocolate.

Input Sample	Output Sample
23 45 88	3059
45 33 106	6255

```
// Shudip Golder Ovei; Roll:2401040;
// Problem 1;

#include <stdio.h>
int main()
{
    int a, x, y;

    printf("How many students? ");
    scanf("%d", &a);

    printf("How much is a chips? ");
    scanf("%d", &x);

    printf("How much is a chocolate? ");
    scanf("%d", &y);

    printf("Required amount of taka is: %d taka", a * (x + y));
}
```



```
Ans: How many students? 23
      How much is a chips? 45
      How much is a chocolate? 88
      Required amount of taka is: 3059 taka
```

2. Calculate the time and show the number in hours:minutes:seconds form.

Output Format

Follow the given input, output.

Input Sample	Output Sample
140153	38:55:53
5	0:0:5

```
// Shudip Golder Ovei; Roll:2401040;
// Problem 2;

#include <stdio.h>
int main()
{
    int t_time, hrs, mins, sec;

    printf("Input the time: ");
    scanf("%d", &t_time);

    hrs = t_time / 3600;
    mins = (t_time % 3600) / 60;
    sec = t_time - (hrs * 3600) - (mins * 60);

    printf("%d Hours : %d Minutes : %d Seconds", hrs, mins, sec);
}
```



Ans: Input the time: 140153
38 Hours : 55 Minutes : 53 Seconds

3. Take 2 integer value a,x. a= base number and x=power value.

Output Format

Show the square value

Input Sample	Output Sample
2 3	8
7 6	117649

```
// Shudip Golder Ovei; Roll:2401040;  
// Problem 3;  
  
#include <stdio.h>  
#include <math.h>  
int main()  
{  
    int a, x, p;  
    printf("Enter the base number: ");  
    scanf("%d", &a);  
  
    printf("Enter the power value: ");  
    scanf("%d", &x);  
  
    p = pow(a, x);  
    printf("The answer is: %d", p);  
}
```



Ans: Enter the base number: 7
Enter the power value: 6
The answer is: 117649

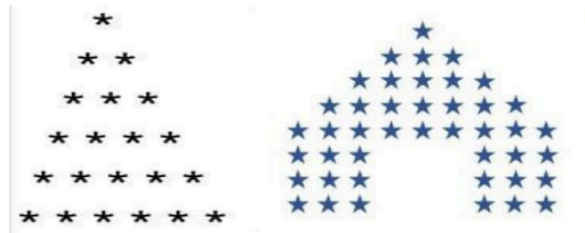
4.Let's print.

Input Format

There is no input.

Output Format

Print the following patterns.



```
// Shudip Golder Ovei; Roll:2401040;  
// Problem 4;  
  
#include <stdio.h>  
  
int main()  
{  
  
    printf("          *           \n      * *        \n      * * *     \n      * * * *   \n      * * * * * \n\n* * * * * *\n\n");  
  
    printf("                *              \n                        * * *       \n                        * * * * *   \n                        * * * * *   \n\n* * * * *   \n\n* * * * * * * * * * * * * * * *\n\n* * * * * * * * * * * * * * * *\n\n* * * * * * * * * * * * * * * *\n\n");  
}
```

Ans:



If the number 4 answer is not working after copying from my PDF. Please go through this link below, it will lead you to my **Github 'Assignment 102'** repository.

[GitHub Link](#)

Thank you!



```
#include <stdio.h>
int main()
{
    printf ( "The End!" );
    return 0;
}
```