

EXPERIMENT N0-8

AIM: Write Mix language program to find square of the given decimal number.


CODE:

```
#include <stdio.h>
#include <conio.h>
#include <string.h>
void main()
{
    int n, i, c, p, j;
    clrscr();
    printf("ENTER THE NUMBER:");
    scanf("%d", &n);
    printf("ENTER THE POWER:");
    scanf("%d", &p);
    asm mov cx, n;
    asm mov ax, n;


    for (i = 1; i < p; i++)
    {
        for (j = 1; j < n; j++)
        {
            asm add ax, cx;
        }
        asm mov cx, ax;
    }
```

```
asm mov c, cx;  
printf("ANSWER IS:%d\n", c);  
getch();  
}
```

Output:



```
ENTER THE NUMBER:8  
ENTER THE POWER:2  
ANSWER IS:64  
_
```



```
ENTER THE NUMBER:16  
ENTER THE POWER:2  
ANSWER IS:256
```