**q. Write a program to find powe of number using recursion**

**#include <stdio.h>**

**int power(int n1, int n2);**

**int main()**

**{**

**int base, a, result;**

**printf("Enter base number: ");**

**scanf("%d", &base);**

**printf("Enter positive power number: ");**

**scanf("%d", &a);**

**result = power(base, a);**

**printf("%d^%d = %d", base, a, result);**

**return 0;**

**}**

**int power(int base, int a)**

**{**

**if (a != 0)**

**return (base \* power(base, a - 1));**

**else**

**return 1;**

**}**

