

# CREATIVE PROBLEM SOLVING

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**Question 1: Write a recursive function that returns num raise to the power.**

```
#include<stdio.h>

long powerOfNum(int num, int pow)
{
    // TODO: Your Code Goes Here
}

int main()
{
    printf("%ld\n", powerOfNum(2, 5));
    return 0;
}
```

**Question 2: Write a recursive function that prints reverse of a given integer number.**

```
#include<stdio.h>

void reverseNum(int num)
{
    // TODO: Your Code Goes Here
}

int main()
{
    reverseNum (12345);
    return 0;
}
```

**Question 3: What is the output of this?**

```
#include<stdio.h>

void starWar(int n)
{
    int i = 0;
    if (n > 1)
        starWar(n-1);
    for (i = 0; i < n; i++)
        printf(" * ");
    printf("\n");
}

int main()
{
    starWar(5);
    return 0;
}
```