

```
int n; //number of terms
scanf("%d", &n);
```

```
for(int i=0;i<n;i++)
{
    printf("%d ", fib(i)); //i=0
}
```

```
int fib(int i) // i= 0
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2);
}
```

```
int n; //number of terms
scanf("%d", &n);

for(int i=0;i<n;i++)
{
    printf("%d ", fib(i)); //i=1
}

int fib(int i) // i= 1
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2);
}
```

```
int fib(int i) // i= 2
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2); //fib(1) + fib(0)
}
```

```
int fib(int i) // i= 3
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2); //fib(2) + fib(1)
}
```

```
int n; //number of terms
scanf("%d", &n);
```

```
for(int i=0;i<n;i++)
{
    printf("%d ", fib(i)); //i=4
}
```

```
int fib(int i) // i= 4
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2); //fib(3) + fib(2)
}
```

```
int n; //number of terms
scanf("%d", &n);
```

```
for(int i=0;i<n;i++)
{
    printf("%d ", fib(i)); //i=5|
}
```

```
int fib(int i) // i= 5
{
    //base case
    if(i == 0)
    {
        return 0;
    }
    if(i == 1)
    {
        return 1;
    }

    return fib(i - 1) + fib(i - 2); //fib(4) + fib(3)
}
```

