Programming Fundamentals Assignment

1. **Write pseudocode for Fibonacci series of number 15.**

**Pseudocode**

1. Read number **series=15**
2. Set first=0
3. Set second=1
4. Set total =0
5. Set nextNum=second
6. Print first
7. Print second
8. Repeat the following upto **series-2** times
9. Add first+nextNum and assign it to total
10. Set first=nextNum
11. Set nextNum=total
12. Print nextNum
13. **Write Algorithm for Fibonacci series of number 15.**

**Algorithm**

**Step 1**: Start

**Step 2**: Enter Series .. i.e Series=15.

**Step 3**: Initialize first=0, second=1 , total=0 , nextNum=second.

**Step 4**: Print first , second

**Step 5**: Repeat the following upto series-2 times

**5.1**: Assign total=first + nextNum

**5.2**: Assign first=nextNum

**5.3**: Assign nextNum=total

**5.4**: Print nextNum

**Step 6**: End

1. **Write an pseudocode for determining highest of three numbers . Example 34,12 and 65.So highest is 65**

**Pseudocode**

1. Read the numbers a,b and c
2. If a>=b and a>=c
3. Print a is highest
4. Else if b>=c and b>=a
5. Print b is highest
6. Else
7. Print c is highest
8. **Write an Algorithm for determining highest of three numbers . Example 34,12 and 65.So highest is 65**

**Algorithm**

**Step 1:** Start

**Step 2:** Read three variables a,b and c ... a=10,b=10,c=20.

**Step 3:** If a>=b and a>=c

**Step 4:** Print a is highest

**Step 5:** Else if b>=a and b>=c

**Step 6:** Print b is highest

**Step 7:** Else

**Step 8:** Print c is highest

**Step 9:** End