**First & Follow**

**Find all first of CFG**

1. First(TAG)={<HTML>}
2. First(T)={<TITLE>}
3. First(BDT)={<BODY>}
4. First(ANCHOR)={<a}
5. First(CONCATE)={<JOIN>}
6. First(ST)={<P>,<DIV>,<SPAN>}
7. First(FT)={<B>,<I>,<U>,<H>,<BR>}
8. First(OT)={<SUM>,<SUB>,<PROD>,<DIVIDE>}
9. First(LT)={<LOOP}
10. First(HT)={</HTML>}
11. First(DOC)={TEXT}
12. First(STRING CONST)={TEXT}

**Find all follow of CFG**

1. Follow(TAG)={$}
2. Follow(T)={$}
3. Follow(BDT)={$}
4. Follow(HT)={$}
5. Follow(ST)={</LOOP>,$}
6. Follow(FT)= Follow(ST)
7. Follow(LT)= Follow(BDT)
8. Follow(OT)= Follow(BDT)
9. Follow(ANCHOR)={$}
10. Follow(CONCATE)={$}
11. Follow(STRING CONST)={$}
12. Follow(DOC)= Follow(ST)={</LOOP>,$}

**LL1**

1. First(TAG)ᴖ Follow(TAG)={ }
2. First(T) ᴖ Follow(T)={ }
3. First(BDT) ᴖ Follow(BDT)={ }
4. First(ANCHOR) ᴖ Follow(ANCHOR)={ }
5. First(CONCATE ) ᴖ Follow(CONCATE)={ }
6. First(ST) ᴖ Follow(ST)= { }
7. First(FT) ᴖ Follow(FT)= { }
8. First(OT) ᴖ Follow(OT)= { }
9. First(LT) ᴖ Follow(LT)= { }
10. First(HT) ᴖ Follow(HT)= { }
11. First(DOC) ᴖ Follow(DOC)= { }
12. First(STRING CONST) ᴖ Follow(STRING CONST)= { }

**NOTE:** Grammar is LL1