**Assignment 1**

Q1. for(i=1 ; i<=n ; i++)

{

for(j=1 ; j<=n ; j++)

printf(“Hi”);

}

Ans. The time complexity is O(n)\* O(n)= O(n^2).

Q2. for(i=1 ; i<=n ; i\*=3)

{

for(j=1 ; j<=n ; j++)

printf(“Hello”);

}

Ans. The time complexity is O(log n) \* O(n) = O(n log(n)).