**Computer Networks Assignment -5**

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**Code: -**

#include <stdio.h>

void Calculatetime(float Tt,float Tp,int n){

    float time = 0;

    for(int i = 0; i < n; i++){

        time += Tp+Tt;

        printf("received P%d at %.2f ms\n",i+1,time);

        time += Tt+Tp;

        printf("received Ack%d at %.2f ms\n\n",i+2,time);

    }

    printf("Total time required is %.2f ms",n\*2\*(Tt+Tp));

}

int main() {

    int n;

    float Tt, Tp;

    printf("Enter the number of packets: ");

    scanf("%d", &n);

    printf("Enter the transmission time per packet (in ms): ");

    scanf("%f", &Tt);

    printf("Enter the propagation time (in ms): ");

    scanf("%f", &Tp);

    Calculatetime(Tt,Tp,n);

}

**Output: -**

A screen shot of a computer

Description automatically generated