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#include<stdio.h>
#include<conio.h>

void main()
{
    int a=0,b=0,c=0,iv=0,ch,nv;
    char name[20];

    printf("Enter pooling booth officer name:");
    scanf("%c",&name);

    printf("Enter number of voters:");
    scanf("%d",&nv);

    printf("Each party initial votes:");
    printf("\nA - %d   B - %d   C - %d",a,b,c);

    getch();
    clrscr();

    while(nv > 0)
    {
        printf("\n1A   2B   3C");
        printf("\nEnter your vote:");
        scanf("%d",&ch);

        switch(ch)
        {
            case 1:a++;nv--;break;
            case 2:b++;nv--;break;
            case 3:c++;nv--;break;
            default:iv++;nv--;
        }

        clrscr();
    }

    printf("\nA - %d   B - %d   C - %d",a,b,c);
    printf("\nInvalid Votes - %d",iv);

    //----- Final Result Added -----
    if(a > b && a > c)
        printf("\nFinal Result: Party A Wins!");
    else if(b > a && b > c)

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        printf("\nFinal Result: Party B Wins!");
    else if(c > a && c > b)
        printf("\nFinal Result: Party C Wins!");
    else
        printf("\nFinal Result: It's a Tie!");
    //-----

    getch();
}
```