```c
//WAP to to detail the VIN(Vehicle Information Number) of Cars Manufactured in
any of the 3 Plants
#include <stdio.h>
int main()
{
    int a[20],i,n,j=1,k,num=109186;
    char car[20]="CYLE10PZY",ch;
    printf("Enter the Plant\n");          //statement to enter plant number
    scanf("%d",&k);                        //input  the pant number
    printf("Enter no.of cars to be manufactured by the plant\n");
    scanf("%d",&n);        //input number of cars to be manufactured by the plant
    if(k<=3) //we have plants 1, 2, 3, write an if condition for manufacturing 3-
plants.
    {
        if(k==1)
        {
        ch='E';
        printf("Plant%d:%c\n",k,ch);
        }
        if(k==2)
        {
        ch='H';
        printf("Plant%d:%c\n",k,ch);
        }
        if(k==3) {
        ch='P';
        printf("Plant%d:%c\n",k,ch); }
    for(i=0;i<n;i++)               //define for loop for inputting the serial number of
cars into an array
    {
        a[i]=num;
        num++; }
    for(i=0;i<n;i++)  //define a for loop for printing VIN numbers of cars of
particular plant
    {
    printf("VIN-Car%d:%d%s%c%d\n",j,k,car,ch,a[i]);
    j++; }
    }
else            //except 1, 2, 3 plants remaining are invalid
printf("Invalid Plant - We have 3 Plants only\n");        }
```