Q. WRITE A PROGRAM TO READ A 3 DIGIT NUMBER AND TO CHECK IF ITS AN ARMSTRONG NUMBER OR NOT.

A. #include<stdio.h>

int main()

{

int nog,d,a,b,c,ac,bc,cc,nod,temp;

nog=d=a=b=c=ac=bc=cc=nod=temp=0;

printf("Enter a number:");

scanf("%d",&nog);

temp=nog;

a=nog%10;

printf("The units digit number is %d\n",a);

b=(nog/10)%10;

printf("The tens digit number is %d\n",b);

c=(nog/10/10)%10;

printf("The hundreds digit number is %d\n",c);

ac=a\*a\*a;

bc=b\*b\*b;

cc=c\*c\*c;

nod=ac+bc+cc;

if(temp==nod)

printf("%d is an armstrong number",temp);

else

printf("%d is not an armstrong number",temp);

return 0;

}

OUTPUT:



