Assignment 1 (Basic C Programming)

Q1. WAP to check whether a given is Armstrong or not.

#include <stdio.h>

#include <math.h>

int main()

{ int n, sum = 0, temp, d = 0, r;

printf(“Enter the number : “);

scanf(“%d “ , &n);

temp = n;

while (temp > 0)

{ d++;

temp /= 10;

} temp = n;

while (temp > 0)

{ r = temp % 10;

sum += pow(r, d);

temp /= 10;

} if (sum == n)

printf("Armstrong\n");

else

printf("Not Armstrong\n");

return 0;

}