

Assignment 1

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

```
#include<stdio.h>

#include int main() {

int num = 153, sum = 0, temp, digits = 0, rem;

temp = num; while (temp > 0)

{

    digits++; temp /= 10;

}

temp = num; while (temp > 0) {

    rem = temp % 10; sum += pow(rem, digits); temp /= 10;

}

if (sum == num) {

    printf("Armstrong\n");

}

else {

    printf("Not Armstrong\n");

}

return 0; }
```