

10/6/2022
CSE-A ESE

Algorithm for Armstrong No

step 1 : start

step 2 : Declare num, sum, digit and num1

step 3 : Read num

step 4 : set $sum = 0$ and $num1 = num$

step 5 : Repeat steps 6 to 8 until $num > 0$

step 6 : $digit = num \% 10$

step 7 : $sum = sum + digit * digit * digit$

step 8 : $num = num / 10$

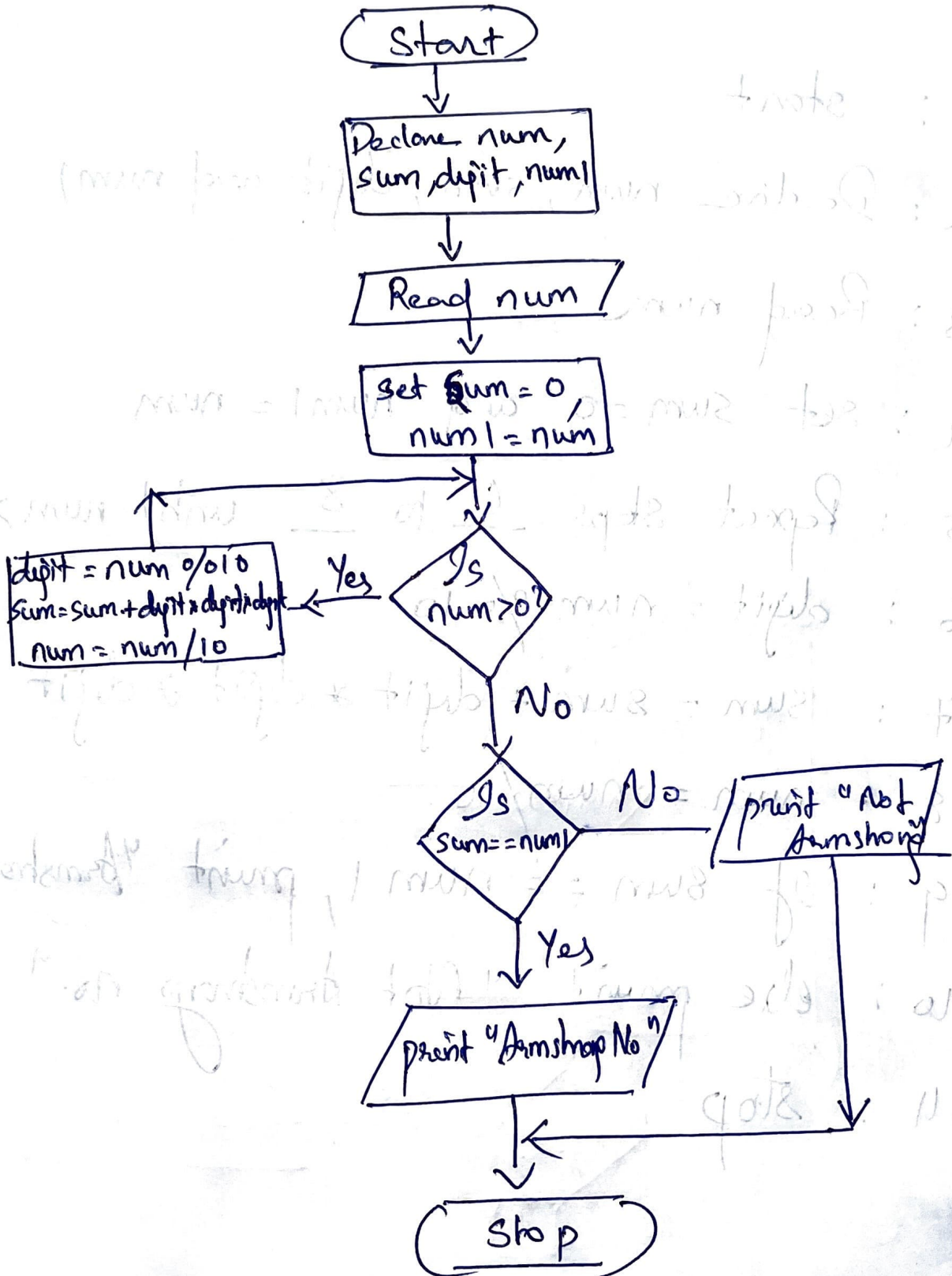
step 9 : if $sum == num1$, print "Armstrong No"

step 10 : else print "Not Armstrong no."

step 11 : stop

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CSE-AE566

Flowchart for Armstrong No.



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CSE-10 @ SGC

C Program for Armstrong No.

// pgm to check whether a given no is armstrong or not
#include <stdio.h>

int main ()

{

int num, sum, digit, num1;

printf (" Enter the value of nⁿ);

scanf ("%d", &num);

num1 = num ;

sum = 0 ;

while (num > 0)

{

digit = num % 10 ;

sum = sum + digit * digit * digit ;

num = num / 10 ;

}

if (sum == num1)

printf ("%d is armstrong no.", num1);

else

printf ("%d is not armstrong no.", num1);

}

Compilation step:

gcc armstrong.c -o armstrong

Execution step:

./armstrong

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CSF-A @ JEEC

Algorithm for Prime No.

Step 1 : start

Step 2 : Declare n , $flag$ and i

Step 3 : set $flag = 0$ and $i = 2$

Step 4 : Repeat steps 5 to 6 until $i \leq n/2$

Step 5 : If $(n \% i == 0)$, set $flag = 1$ and go to step 7

Step 6 : else $i = i + 1$

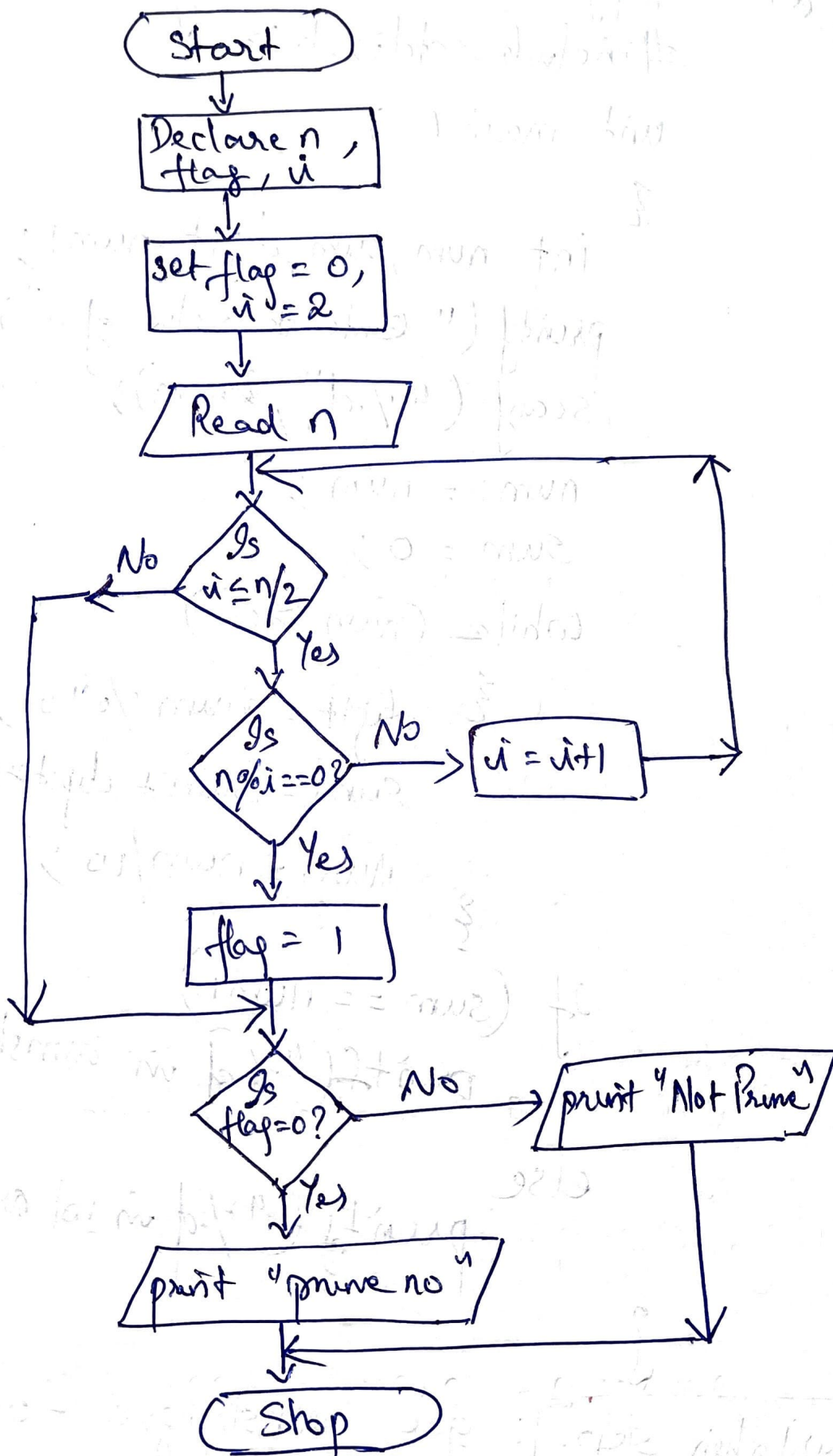
Step 7 : If $flag == 0$, then print "prime no"

Step 8 : else print "not prime no"

Step 9 : stop

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CS-005 ECC

Flowchart for Prime No.



10/8/2022
CSE-8 @ SECC

C Program for Prime No.

//pgm to check whether a given no is prime or not
#include <stdio.h>

int main()

{ int n, flag, i;

flag = 0;

~~i = 2;~~

printf("Enter the value of n:");

scanf("%d", &n);

for (i = 2; i <= n/2; i++)

{ if (n % i == 0)

{ flag = 1;

break;

}

}

if (flag == 0)

printf("%d is a prime no.", n);

else

printf("%d is not a prime no.", n);

}

Compilation Step:

gcc prime.c -o prime

Execution Step:

./prime

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CSE-10 E-500

Algorithm for Fibonacci Series

Step 1 : Start

Step 2 : Declare a, b, c, i and n

Step 3 : Set $a = 0, b = 1$ and $i = 3$

Step 4 : Read n

Step 5 : print a and b

Step 6 : Repeat steps 7 to 8 until $i \leq n$

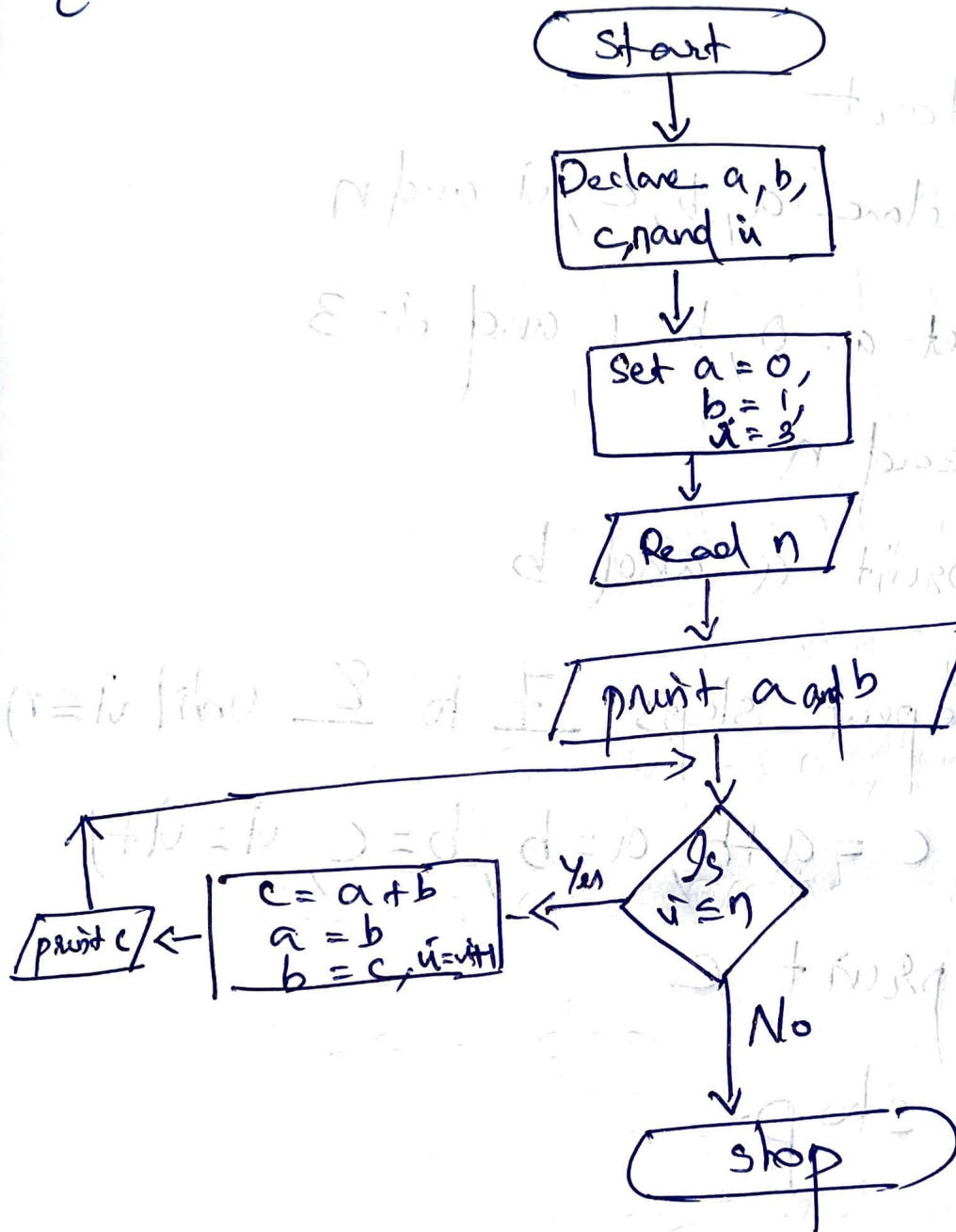
Step 7 : $c = a + b, a = b, b = c, i = i + 1$

Step 8 : print c

Step 9 : stop

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CSE-18 @JSSee

Flowchart for Fibonacci Series



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CSE-A 25/02

C Program for Fibonacci Series.

//pgm to print fibonacci series.

```
#include <stdio.h>
```

```
int main()
```

```
{
```

```
    int a, b, c, i, n;
```

```
    a = 0;
```

```
    b = 1;
```

```
    i = 2;
```

```
    printf("Enter the value of n:");
```

```
    scanf("%d", &n);
```

```
    printf("%d\t%d\t", a, b);
```

```
    for (i = 3; i <= n; i++)
```

```
    {
```

```
        c = a + b;
```

```
        a = b;
```

```
        b = c;
```

```
        printf("%d\t", c);
```

```
    }
```

```
}
```

Compilation Step:

gcc fib.c -o fib

Execution Step:

./fib