Assignment 2: Introduction To Programming

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I. Write a program to read the input and print the output as mentioned below.

Input: 25

1.1

Output: 25

1.2. Input: 5.3267

Output: 5.3267

1.3. Input: 5.3267

Output: 5.32

1.4. Input: 5664.57567456

Output: 5664.57

1.5. Input: 35345364

Output: 35345364 * 35345364

I .6. Input & Output: Your name

1.7. Input & Output: S. V. National Institute of Technology, Surat

Assingnment 2: Introduction to Biogramming.
autput as mentioned.
III Input: 25 autput: 25
=> # include (stdio.h) int main () {
Buint F ("Enter a number");
Scan F (117-d', (a);
Brint F ("The entered number is 1.d", a)
[1.2] Input: 5.3267 autput: 5.3267
=) # include (stdio h).
Float a; Brint F (" Enter a number");
Scant Color
3 Printf("The entered number is If " a);
[1.3] Input: 5,3267 : suitput: 5.32
int main () &
El - al
EPrint F ("Enter a number"); Scan F ("% F" & a);
2 Print F ("The entened number is 1.2 F", ali

[14] Input: 5664.57567456
autput: 5664-57
=> # include <stdio.h></stdio.h>
int main () {
Float a:
Brint F ("Inter a number")
Scanf (11%. F11, fa); Brintf (11 The entened no. is 7.2f", 1)
3
(1.8) Input: 353 45364
autput: 35345364* 35345364
=) # indude (cliss)
Int main () {
inta;
Briat F ("Enter a no. 11);
Saut (1.1. all base
Mint + 1111 1
3
[1-6) Toput & autput = your name
) His I I is
int man as a stainth
11/11/11/11
man about de la
Scant (11.)- C'E (1-C1)
Scant (")-c'-c'-c'-c'-c'-c'-c'-c'-c'-c'-c'-c'-c'-
My name is it of the ff, fg);
Brint P ("My name is 1- ct - 1- (1- (1-1))
trame);

5.V. National Institute of Technology,

Interpretate of Technology,

Surat.

Hinclude (Stdio.h)

int main () {

int char (allege [20])

Buntf ("Enter the name of your (allege");

Scanf ("/S", & (allege);

Buntf (" History

Buntf (" My (allege is 7.5", Callege);

3

2. Write a program to compute the area of a circle.

Answer:

	Q.[2] write a pragram to compute the area
-	at a Circle
	=> ## include (stdio.h)
	int main () \$
	Float Hadius, area;
	Buntf (" Enter radius of write");
	Scanfl " (F) & Madius)!
	area = 3.14 * Hadiy * Hadis;
	Printf ("The area cy circle is 7. F", area);
	9

3. Write a program to calculate the simple interest.

Printf ("Enter nate of interest");

Scanf ("Ind", Example value");

Simple value v

4. Write a program that converts Fahrenheit to Celsius.

Q	(4) write a pragramo that Converte Comercine to Celsius
	int main () { Float Far, (el;
	Bruntf(1' Enten temperature in Farenheit 1'); Scanf ("")-F" & Fare); Cel = (For -32) * (5/9);
	Brint F ("The temperature in Celaius is yellow;

5. Write a program to solve the following equations. Read the values of a, b, and c from the keyboard ,

5.1 a^2 +2ab+b^2

5.2 a^2 -2ab+b^2

5.3. a^3+b^3+c^3-3abc

	DATE PAGE NO
1	
	$[5:1]$ $a^2 + 2ab + b^2$
1	=> # include (stdio.h)
1	int main () ?
1	Float a, b, x;
	Brintf("Forter Value of a");
	Scanf (117. F 11, &a);
	Brint F (" Enta Value of b"); Scanf ("7. F") (b);
	x= (a*a) + (b*b) + (2*a*b);
	Brint F (" Result by about equation 1 1.0 F 1/2
	Maria 18/41/18
	4
	$[5.2]$ $a^2-2ab+b^2$
	=) # ind 1 / (11)
	mande Stalon
	int main () {
	Float a, b, x;
	Print f ("Enter Value of a");
	-(a) [(-1) £ 0);
	Print F ("Enter Value of b");
	S(a) 1 11/2 F11 1 1 1 1 1 1 1
	x = (a * a) - (2 * a * b) + (b * b);
	Brintf ("Result of about equation 157. f", x);
	3

[5.3] $a^3 + b^3 + c^3 - 3abc$.

The include (stdio.h)

Int main () {

Float a, b, (, x;

Brint F ("Finter Value ay a");

Scan F ("!.F", fa);

Frint F ("Enter Value ay b");

Scan F ("!.F", fb);

Print F ("Finter Value ay c");

Scan f ("!.F", fc);

x = (axaxa) + (b*b*b) + (c*(*c)

Brint F ("Result of above Equation (s', F", y);

3