**Subject**

Programming and Data Structures using C

**Assignment 2**

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**Write a C Program for the following problem statements**

Q1. Print “ your name–SOA University ”.

#include <stdio.h>

int main()

{

char name[ ] =" ";

printf("%s -SOA University",name);

return 0;

}

Output

-SOA University

Q2. Print your name, mobile number and email id in different lines.

#include <stdio.h>

int main()

{

char name[ ]="BISWAJIT MISHRA";

double mn=7991054426;

char email[30]="mishrabiswajit235@gmail.com";

printf("Name :- %s \n",name);

printf("Mobile Number :- %1.lf \n",mn);

printf("Email ID :- %s \n",email);

return(0);

}

Output

Name:-BISWAJIT MISHRA

Mobile Number:-7991054426

Email ID:-mishrabiswajit235@gmail.com

Q4. Find the cube of the given number.

#include <stdio.h>

int main()

{

int b=8,c;

c=b\*b\*b;

printf(" Ans. %d",c);

return(0);

}

Output

Ans. 512

Q5. Find the sum of five given numbers.

#include <stdio.h>

int main()

{

int a=1,b=2,c=3,d=4,e=5,f;

f=a+b+c+d+e;

printf(" Sum of five number is %d",f);

return(0);

}

Output

Sum of five number is 15

Q6. Find a student average mark given mark1 and mark2.

#include <stdio.h>

int main()

{

float m1=100,m2=200,avg;

avg=(m1+m2)/2;

printf("Average mark of student is %f",avg);

return(0);

}

Output

Average mark of student is 150.000000

Q7. Calculate the total fine charged by library for late return books. The charge is 0.20 INR for 1 day.

#include <stdio.h>

int main()

{

float b=10,fine;

const float a = 0.2;

fine=b\*a;

printf("The total fine charged is : %f INR",fine);

return(0);

}

Output

The total fine charged is : 2.00000 INR