**ASSIGNMNT-2**

**Q1)Print “Your name-SOA University”.?**

**// Online C compiler to run C program online**

**#include <stdio.h>**

**int main() {**

**// Write C code here**

**printf("Pallabi Sethi-SOA University");**

**return 0;**

**OUTPUT**

**/tmp/8SDGTPE1yl.o**

**Pallabi Sethi-SOA University**

**Q2)Print your name ,mobile number and email id in different line?**

**#include <stdio.h>**

**int main() {**

**printf("pallabi sethi\n9348477146\npallabisethi3061@gmail.com");**

**return 0;**

**}**

**OUTPUT**

**pallabi sethi**

**9348477146**

[**pallabisethi3061@gmail.com**](mailto:pallabisethi3061@gmail.com)

**Q3)Get int ,float and char as input,then print the same?**

**#include <stdio.h>**

**int main() {**

**int a =10;**

**float b=36.8;**

**char c='A';**

**printf("print the integer value of a:%d\n",a);**

**printf("print the float value of a:%f\n",b);**

**printf("print the charecter value of a:%c\n",c);**

**;**

**return 0;**

**}**

**OUTPUT**

**print the integer value of a:10**

**print the float value of a:36.799999**

**print the charecter value of a:A**

**Q4)Find the cube of the given number?**

**#include <stdio.h>**

**int main() {**

**int number,cube;**

**printf("enter a number:");**

**scanf("%d",&number);**

**cube=number\*number\*number;**

**printf("cube of number is:%d",cube);**

**return 0;**

**}**

**OUTPUT**

**enter a number:5**

**cube of number is:125**

**Q5)Find the sum of five given numbers?**

**#include <stdio.h>**

**int main() {**

**int num1,num2,num3,num4,num5,sum;**

**printf("printf num1:");**

**scanf("%d",&num1);**

**printf("printf num2:");**

**scanf("%d",&num2);**

**printf("printf num3:");**

**scanf("%d",&num3);**

**printf("printf num4:");**

**scanf("%d",&num4);**

**printf("printf num5:");**

**scanf("%d",&num5);**

**sum=num1+num2+num3+num4+num5;**

**printf("the sum of five number is:%d",sum);**

**return 0;**

**}**

**OUTPUT**

**printf num1:2**

**printf num2:3**

**printf num3:4**

**printf num4:5**

**printf num5:6**

**The sum of five number is:20**

**Q6)Find the student average mark given mark1,mark2?**

**#include <stdio.h>**

**int main() {**

**int mark1,mark2,sum,avg;**

**printf("enter mark1:");**

**scanf("%d",&mark1);**

**printf("enter mark2:");**

**scanf("%d",&mark2);**

**sum=mark1+mark2;**

**avg=(sum)/2;**

**printf("the average mark is:%d",avg);**

**return 0;**

**}**

**OUTPUT**

**enter mark1:22**

**enter mark2:26**

**the average mark is:24**

**Q7)Calculate the total fine charged by library for late-return books.The charge is 0.20 for 1 day?**

**#include <stdio.h>**

**int main() {**

**int firstdate,lastdate,totaldays;**

**float totalcharges;**

**float chargesfor1day=0.20;**

**printf("enter firstdate:");**

**scanf("%d",&firstdate);**

**printf("enter lastdate:");**

**scanf("%d",&lastdate);**

**totaldays=lastdate-firstdate;**

**totalcharges=chargesfor1day\*totaldays;**

**printf("total charges is:%f",totalcharges);**

**return 0;**

**}**

**OUTPUT**

**enter firstdate:4**

**enter lastdate:20**

**total charges is:3.2**

**Q8)You had bought a nice shirt which cost Rs.29.90 exclusive of 15% discount .Count the discounted price for the shirt?**

**#include <stdio.h>**

**int main() {**

**float cost=29.90,discount=0.15;**

**float discountedcost,netprice;**

**discountedcost=discount\*cost;**

**netprice=cost-discountedcost;**

**printf("netprice is:%f",netprice);**

**return 0;**

**OUTPUT**

**netprice is:25.414999**

**Q9)Swap two number with third variable?**

**#include <stdio.h>**

**int main() {**

**int A,B,swap;**

**printf("Enter the value of A:");**

**scanf("%d",&A);**

**printf("Enter the value of B:");**

**scanf("%d",&B);**

**swap=A;**

**A=B;**

**B=swap;**

**printf("after swapping the value of A is:%d\n,A");**

**printf("after swapping the value of B is:%d\n,B");**

**return 0;**

**}**

**OUTPUT**

**Enter the value of A:4**

**Enter the value of B:8**

**after swapping the value of A is:8**

**after swapping the value of B is:4**

**Q10)Swap two numbers without third variable(By + and-(or)By\*and/)?**

**#include <stdio.h>**

**int main() {**

**int A,B;**

**printf("Enter the value of A:");**

**scanf("%d",&A);**

**printf("Enter the value of B:");**

**scanf("%d",&B);**

**A=A+B;**

**B=A-B;**

**A=A-B;**

**printf("After swapping first number A is:%d\n",A);**

**printf("After swapping first number B is:%d\n",B);**

**return 0;**

**}**

**OUTPUT**

**Enter the value of A:4**

**Enter the value of B:6**

**After swapping first number A is:6**

**After swapping first number B is:4**