**Assignment-2**

**Q1)-** **#include<stdio.h>**

**int main()**

**{**

**int number,remender;**

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

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

**remender=number%10;**

**printf("The unit digit of %d is %d",number,remender);**

**return 0;**

**getch();**

**}**

**Q2)-** **#include<stdio.h>**

**int main()**

**{**

**int number,quo;**

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

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

**quo=number/10;**

**printf("The number %d is without last digit is %d",number,quo);**

**return 0;**

**getch();**

**}**

**Q3)-**  **#include<stdio.h>**

**int main()**

**{**

**int a,b,c;**

**printf("Enter two number: ");**

**scanf("%d %d",&a,&b);**

**printf("Number Before swapping in a=%d and b=%d\n",a,b);**

**c=a;**

**a=b;**

**b=c;**

**printf("Number After swapping in a=%d and b=%d",a,b);**

**return 0;**

**getch();**

**}**

**Q4)-** **#include<stdio.h>**

**int main()**

**{**

**int a,b;**

**printf("Enter Two number: ");**

**scanf("%d %d",&a,&b);**

**printf("Number Before Swapping is a=%d and b=%d\n",a,b);**

**b=a+b;**

**a=b-a;**

**b=b-a;**

**printf("Number After Swapping is a=%d and b=%d",a,b);**

**return 0;**

**getch();**

**}**

**Q5)-** **#include<stdio.h>**

**int main()**

**{**

**int a,i,r,sum=0,b;**

**printf("Enter a Three digit number: ");**

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

**b=a;**

**while(a)**

**{**

**r=a%10;**

**a=a/10;**

**sum=sum+r;**

**}**

**printf("The Sum of Three Digit number %d is %d",b,sum);**

**return 0;**

**getch();**

**}**

**Q6)-** **#include<stdio.h>**

**int main()**

**{**

**char a;**

**printf("Enter a character: ");**

**scanf("%c",&a);**

**printf("The ASCII value of %c is %d",a,a);**

**return 0;**

**getch();**

**}**

**Q7)-** **#include<stdio.h>**

**int main()**

**{**

**int a,r[16],i=0,j,k;**

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

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

**while(a)**

**{**

**r[i]=a%2;**

**a=a/2;**

**i++;**

**}**

**for(j=0;j<i;j++)**

**{**

**if(r[j]==1)**

**{**

**printf("The first 1 in the Least significant bit is at %d",j+1);**

**break;**

**}**

**}**

**return 0;**

**getch();**

**}**

**Q8)-** **#include<stdio.h>**

**int main()**

**{**

**int a;**

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

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

**if(a%2==0)**

**{**

**printf("%d is an Even Number",a);**

**}**

**else**

**{**

**printf("%d is an Odd Number",a);**

**}**

**return 0;**

**getch();**

**}**

**Q9)-** **#include<stdio.h>**

**int main()**

**{**

**int a,i;**

**char b;**

**float c;**

**double d;**

**printf("The size of int type variable is: %d\nThe size of char type variable is: %d\nThe size of float type variable is: %d\nThe size of double type variable is: %d",sizeof(a),sizeof(b),sizeof(c),sizeof(d));**

**return 0;**

**getch();**

**}**

**Q10)-** **#include<stdio.h>**

**int main()**

**{**

**int a,b;**

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

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

**b=a;**

**a=a/10;**

**a=a\*10;**

**printf("The Number %d After Removing is become %d",b,a);**

**return 0;**

**getch();**

**}**

**Q11)-** **#include<stdio.h>**

**int main()**

**{**

**int a,b,c=0;**

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

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

**printf("Enter a digit which you want to print with the given number: ");**

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

**c=a\*10+b;**

**printf("The number %d is Appended with %d become %d",a,b,c);**

**return 0;**

**getch();**

**}**

**Q12)-** **#include<stdio.h>**

**int main()**

**{**

**int a=1,d;**

**float b=76.23,c;**

**printf("Enter the amount of money in indian currency: ");**

**scanf("%f",&c);**

**d=(a\*c)/b;**

**printf("The indian currency %.2f is Equal to the %d USD",c,d);**

**return 0;**

**getch();**

**}**

**Q13)-** **#include<stdio.h>**

**int main()**

**{**

**int a,r,b,count=0,i,power=1,c;**

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

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

**r=a%10;**

**a=a/10;**

**b=a;**

**while(b)**

**{**

**b=b/10;**

**count++;**

**}**

**for(i=0;i<count;i++)**

**{**

**power=10\*power;**

**}**

**c=r\*power+a;**

**printf("%d",c);**

**return 0;**

**getch();**

**}**