**JRBC**

**Assignment - 2**

**1. Write a program to print unit digit of a given number.**

#include<stdio.h>

int main()

{

int a;

printf("Enter a Number: ");

scanf("%d",&a);

printf("Unit digit of %d is: %d",a,a%10);

return 0;

}

**2. Write a program to print a given number without its last digit.**

#include<stdio.h>

int main()

{

printf("Enter a Number: ");

scanf("%d",&a);

printf("Without Last digit of %d is: %d",a,a/10);

return 0;

}

**3. Write a program to swap values of two int variables.**

#include<stdio.h>

int main()

{

int a,b,c;

printf("Enter 2 Numbers: ");

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

printf("Before Swap the value of a= %d and b= %d",a,b);

c=a;

a=b;

b=c;

printf("\nAfter Swap the value of a= %d and b= %d",a,b);

return 0;

}

**4. Write a program to swap values of two int variables without using a third variable.**

#include<stdio.h>

int main()

{

int a,b;

printf("Enter 2 Numbers: ");

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

printf("Before Swap the value of a= %d and b= %d",a,b);

b=(a+b)-(a=b);

printf("\nAfter Swap the value of a= %d and b= %d",a,b);

return 0;

}

**5. Write a program to input a three-digit number and display the sum of the digits.**

#include<stdio.h>

int main()

{

int a,b,c,d,e,n;

printf("Enter a 3 Digit Number: ");

scanf("%d",&a);

n=a;

b=n%10;

c=n/10;

d=c%10;

e=c/10;

printf("Sum of all the digits of %d is %d",a,b+d+e);

return 0;

}

**6. Write a program which takes a character as an input and displays its ASCII code.**

#include<stdio.h>

int main()

{

char ch;

printf("Enter a charcter: ");

scanf("%c",&ch);

printf("ASCII Value of %c is %d",ch,ch);

return 0;

}

**7. Write a program to find the position of first 1 in LSB.**

#include<stdio.h>

int main(){

int a,c=1;

printf("Enter a Number:");

scanf("%d",&a);

while (a!=0){

if(a&1==1){

printf("I Found LSB in %d position",c);

break;

}

++c;

a>>=1;

}

return 0;

}

**8. Write a program to check whether the given number is even or odd using a bitwise**

**operator.**

#include<stdio.h>

int main()

{

int a;

printf("Enter a number: ");

scanf("%d", &a);

if(a & 1)

printf("%d is odd.", a);

else

printf("%d is even.", a);

return 0;

}

**9. Write a program to print size of an int, a float, a char and a double type variable.**

#include<stdio.h>

int main()

{

printf("Size of Int is %d",sizeof(int));

printf("\nSize of Int is %d",sizeof(char));  
printf("\nSize of Int is %d",sizeof(float));  
printf("\nSize of Int is %d",sizeof(double));

return 0;

}

**10. Write a program to make the last digit of a number stored in a variable as zero.**

**(Example - if x=2345 then make it x=2340)**

#include<stdio.h>

int main()

{

int a,b;

printf("Enter a number: ");

scanf("%d", &a);

b=(a/10)\*10;

printf("New Number %d is %d",a,b);

return 0;

}  
**11. Write a program to input a number from the user and also input a digit. Append a**

**digit in the number and print the resulting number. (Example - number=234 and**

**digit=9 then the resulting number is 2349)**

#include<stdio.h>

int main()

{

int a,b;

printf("Enter a number & any digit: ");

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

printf("New Number %d is %d",a,(a\*10+b));

return 0;

}

**12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and**

**convert it into USD.**

#include<stdio.h>

int main()

{

float INR;

printf("Enter Indian Rupees: ");

scanf("%f",&INR);

printf("%.2f INR = %.2f USD ",INR,INR/76.23);

return 0;

}

**13. Write a program to take a three-digit number from the user and rotate its digits by**

**one position towards the right.**

#include<stdio.h>

int main()

{

int a,b;  
printf("Enter a 3 Digit Number: ");  
scanf("%d",&a);

b=100\*(a%10)+(a/10);  
printf("The canging Number of %d is %d",a,b);

return 0;

}