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**A Job Ready Bootcamp in C++, DSA and IOT**

**Assignment – 2**

1).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter a number:");

scanf("%d",&x);

y=x%10;

printf("Unit digit of a given number: %d",y);

getch();

}

2).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter a number:");

scanf("%d",&x);

y=x/10;

printf("Given number without its last digit: %d",y);

getch();

}

3).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y,z;

printf("Enter two numbers:");

scanf("%d %d",&x,&y);

printf("Before swapping: %d %d\n",x,y);

z=x;

x=y;

y=z;

printf("After swapping: %d %d",x,y);

getch();

}

4).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter two numbers:");

scanf("%d %d",&x,&y);

printf("Before swapping: %d %d\n",x,y);

x=x+y;

y=x-y;

x=x-y;

printf("After swapping: %d %d",x,y);

getch();

}

5).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter a three digit number:");

scanf("%d",&x);

y=(x%10)+(x/100)+(x/10)%10;

printf("Sum of digits of a given number: %d",y);

getch();

}

6).

#include<stdio.h>

#include<conio.h>

int main()

{

char c;

printf("Enter a character:");

scanf("%c",&c);

printf("ASCII Code:%d",c);

getch();

}

7).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,count=0,result=0;

printf("Enter a number:");

scanf("%d",&x);

while(x!=0)

{

result=x&1;

count++;

if(result==1)

{

printf("%d",count);

break;

}

x=x>>1;

}

getch();

}

8).

#include<stdio.h>

#include<conio.h>

int main()

{

int num;

printf("Enter a number:");

scanf("%d",&num);

if (num & 1)

printf("Odd number");

else

printf("Even number");

getch();

}

9).

#include<stdio.h>

#include<conio.h>

int main()

{

printf("Size of an int: %ld bytes",sizeof(int));

printf("\nSize of a float: %ld bytes",sizeof(float));

printf("\nSize of a char: %ld byte ",sizeof(char));

printf("\nSize of a double:%ld bytes",sizeof(double));

getch();

}

10).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter a number:");

scanf("%d",&x);

y=(x/10)\*10;

printf("Resulting number:%d",y);

getch();

}

11).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y,z;

printf("Enter a number:");

scanf("%d",&x);

printf("Enter a digit:");

scanf("%d",&y);

z=(x\*10)+y;

printf("Resulting number:%d",z);

getch();

}

12).

#include<stdio.h>

#include<conio.h>

int main()

{

int x;

float y;

printf("Enter amount in INR:");

scanf("%d",&x);

y=x/76.23;

printf("Amount in USD: %f",y);

getch();

}

13).

#include<stdio.h>

#include<conio.h>

int main()

{

int x,y;

printf("Enter a three digit number:");

scanf("%d",&x);

y=(x%10)\*100+(x/10)%10+(x/100)\*10;

printf("Resulting number:%d",y);

getch();

}