

C++ Virtual Lab – 21082020

/* WAP to find the reverse of a number (3-digit) */

```
#include<iostream.h>
#include<conio.h>

void main()
{
    int n;
    int a,b,c,rev=0;
    cout<<"Enter the number: ";
    cin>>n;

    a = (n % 10);           //3
    b = (n / 10) % 10;      //2
    c = (n / 10) / 10;      //1

    rev = a*100 + b*10 + c*1;    //321

    cout<<"Reverse Number is: "<<rev;
}
```

/* WAP to find the area & perimeter of rectangle */

```
#include<iostream.h>
#include<conio.h>

void main()
{
    int l,b,area,perimeter;

    cout<<"Enter the length: ";
    cin>>l;

    cout<<"Enter the breadth: ";
    cin>>b;

    area = (l * b);
    perimeter = 2 * (l + b);

    cout<<"Required Area is: "<<area;
    cout<<"\nRequired Perimeter is: "<<perimeter;

}
```

/* WAP to convert the temperature from Celsius to Fahrenheit */

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int cel,fah;
```

```
    cout<<"Enter the Celsius temperature: ";
```

```
    cin>>cel;
```

```
    fah = ((cel*9)/5)+32;
```

```
    cout<<"Required Fahrenheit temperature: "<<fah;
```

```
}
```

/* WAP to print the swapping values of two numbers using 3rd variable */

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int a,b,temp;
```

```
    cout<<"Enter the values: ";
```

```
    cin>>a>>b;
```

```
    temp = a;
```

```
    a = b;
```

```
    b = temp;
```

```
    cout<<"Value of a is: "<<a;
```

```
    cout<<"\nValue of b is: "<<b;
```

```
}
```

/* WAP to swapped the value of two variables without using 3rd variable */

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
void main()
```

```
{
```

```
    int a,b;
```

```
    cout<<"Enter the numbers: ";
```

```
cin>>a>>b;
```

```
a = a + b;
```

```
b = a - b;
```

```
a = a - b;
```

```
cout<<"Swapped value is: "<<a;
```

```
cout<<"\nSwapped value is: "<<b;  
}
```