**Lab Task-2**

**Instructions: Please read carefully**

* Please rename this file as only your ID number **(e.g. 20-\*\*\*\*\*-3.doc or 20-\*\*\*\*\*-3.pdf).**
* Submit the file before **11:59 PM on 18/10/2020** in VUES section labeled **Lab task 1. If you cannot complete the full task, do not worry. Just upload what you have completed.**

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| **Question No.1**  Write a program to declare two integer and one float variables then initialize them to 10, 15, and 12.6. Also print the variable values in the screen. |
| **Your code here:**  #include <iostream>  using namespace std;  int main()  {  int x=10;  int y=15;  float z=12.6;  cout<<"x="<<x <<endl;  cout<<"y= "<<y<<endl;  cout<<"z="<<z;  } |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.2**  Write a program to prompt the user to input 3 integer values and print these values in forward and reversed order. |
| **Your code here:**  #include <iostream>  using namespace std;  int main()  {  int x;  int y;  int z;  cout<<"Please enter the value of x:";  cin>>x;  cout<<"Please enter the value of y:";  cin>>y;  cout<<"Please enter the value of z:";  cin>>z;  cout<<"Your numbers forward:"<<endl;  cout<<x<<endl;  cout<<y<<endl;  cout<<z<<endl;  cout<< "Your numbers reversed:"<<endl;  cout<<z<<endl;  cout<<y <<endl;  cout<<x;  } |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.3**  Write a program to swap two variables values. |
| **Your code here:**  #include <iostream>  using namespace std;  int main ()  {  int a = 50, b = 100, temp;  cout << "Before swapping." << endl;  cout << "a = " << a << ", b = " << b << endl;  temp = a;  a = b;  b = temp;  cout << "After swapping." << endl;  cout << "a = " << a << ", b = " << b;  } |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.4**  Write a program to check odd or even number  . |
| **Your code here:**  #include<iostream>  using namespace std;  int main()  {  int x;  int y;  cout<<"Please enter the value of x:";  cin>>x;  y = x%2;  cout<<" Remainder : "<<y<<endl<<endl;  cout <<"If Remainder = 0, x is a even number" << endl;  cout <<"If Remainder = 1, x is a odd number" << endl;  } |
| **Your whole Screenshot here: (Console Output):** |

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| **Question No.5**  Print the value of y for given x=2 & z=4 and analyze the following output.  a. y = x++ + ++x; b. y= ++x + ++x; c. y= ++x + ++x + ++x; |
| **Your code here:**  #include <iostream>  using namespace std;  int main()  {  int y;  int x=2;  int z=3;  y= x++ + ++x;  cout<<" Value of y in a. "<<y<<endl;  y=++x + ++x;  cout<<" Value of y in b. "<<y<<endl;  y= ++x + ++x + ++x;  cout<<" Value of y in c. "<<y<<endl;  } |
| **Your whole Screenshot here: (Console Output):** |