**Instructions: Please read carefully**

* Please rename this file as only your ID number **(e.g. 18-\*\*\*\*\*-1.docx or 18-\*\*\*\*\*-1.pdf).**
* Submit the file before **11:59pm on 02/06/2021** in the MS Teams Assignment section labeled **Task 1. If you cannot complete the full task, do not worry. Just upload what you have completed.**

**Do not Copy!!!**

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| 1. Initialize an array of 10 elements and print the array elements both in normal and reverse order.   For example,  Output:  **12 32 43 1 54 53 15 64 3 13**  **13 3 64 15 53 54 1 43 32 12** |
| **Your code here:1.** **#include<iostream>**  **using namespace std;**  **int main()**  **{**  **int arr[10] = {12,32,43,1,54,53,15,64,3,13};**  **for(int i=0; i<10; i++)**  **{**  **cout<<arr[i];**  **}**  **return 0;**  **}**  **2.** **#include<iostream>**  **using namespace std;**  **int main()**  **{**  **int arr[10] = {12,32,43,1,54,53,15,64,3,13};**  **for(int i=9; i>=0; i--)**  **{**  **cout<<arr[i];**  **}**  **return 0;**  **}** |
| **Your whole Screenshot here: (Console Output):1.**    **2.** |

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| 1. Initialize an integer array of 10 elements and print how many numbers are odd and how many numbers are even.   For example,  Input: **12 32 43 1 54 53 15 64 3 13**  Output:  **6 odd numbers**  **4 even numbers** |
| **Your code here:**  #include<iostream>  using namespace std;  int main()  {  int arr[10]= {12,32,43,1,54,53,15,64,3,13};  int i,even, odd;  even = 0;  odd = 0;  for(i=0; i<10; i++)  {  if(arr[i]%2 == 0)  {  cout<<"This is an even number :"<<arr[i]<<endl;  even++;  }  else  {  cout<<"This is an odd number :"<<arr[i]<<endl;  odd++;  }  }  cout<<"Total odd elements : "<<odd<<endl;  cout<<"Total even elements : "<<even<<endl;  return 0;  } |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a function that takes TWO parameters to print all the odd numbers between a given range. Input the starting value of the range and ending value of the range. Then, send them as the parameters to your function.   For example,  Output:  **Starting value: 12**  **Ending value: 23**  **13 15 17 19 21 23** |
| **Your code here:**  #include <bits/stdc++.h>  using namespace std;  void odd(int lower, int upper)  {  //for(int lower; lower<=upper;lower++)  // {  // if(lower % 2==1){  // cout<<odd;  //}  // }  if (upper < lower) {  return;  }  upper % 2 == 1 ? odd(lower, upper - 2): odd(lower, upper - 1);  if (upper % 2 == 1) {  cout << upper << " ";  }  }  int main()  {  int lower , upper ;  cout<<"lower number is"<<endl;  cin>>lower;  cout<<"upper number is"<<endl;  cin>>upper;  cout << "Odd numbers:";  odd(lower, upper);  } |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a program to perform Insert a value in following scenario:  * Add 100 at the end of the array * Add 200 in index number 4 * Add 300 in the beginning of the array   For example,  Output:  **Given array: 1 2 3 4 5 6 7 8 9 10**  **Output array after addition: 300 1 2 3 4 200 5 6 7 8 9 10 100** |
| **Your code here:**  #include<iostream>  #include<conio.h>  using namespace std;  int main()  {  int k, i, n=10, mimo[1000]= {1, 2, 3, 4, 5, 6, 7, 8, 9,10};  mimo[n++] = 100;  for(i=n; i>0; i--)  mimo[i] = mimo[i-1];  mimo[0] = 300;  n++;  k = 5;  for(i=n; i>k; i--)  mimo[i] = mimo[i-1];  mimo[k] = 200;  n++;  for(i=0; i<n; i++)  cout<<" "<< mimo[i];  return 0;  } |
| **Your whole Screenshot here: (Console Output):** |

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| 1. Write a program to perform deletion a value in following scenario:  * Delete last value * Delete last value 5 * Delete first value   For example,  Output:  **Given array: 1 2 3 4 5 6 7 8 9 10**  **Output array: 2 3 4 6 7 8 9** |
| **Your code here:**  #include<iostream>  #include<conio.h>  using namespace std;  int main()  {  int k, i, n=10, mimo[10]= {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};  n--;  n--;  for(i=0; i<n; i++)  mimo[i] = mimo[i+1];  k = 3;  n--;  for(i=k; i<n; i++)  mimo[i] = mimo[i+1];  for(i=0; i<n; i++)  cout<<mimo[i];  return 0;  } |
| **Your whole Screenshot here: (Console Output):** |