Date:

Task 1

```
class abc
{
  public:
  int sum(int a, int b)
  {  int sum;
     sum = a+b;
     return sum;
  }
};
```

Task 2

```
class abc
{
  public:
  int *arr = new int[x];
  for(int i=0; i<x ; i++)
  {
    arr[i] = y;
  }

  for(int J=0; J<x; J++)
  {
```

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```
        cout << "values in array" << arr[i] << endl;
    }
    delete[]    arr;
};
```

Task 3

```
class arrcompare
{
    int arr1[5];
    int arr2[5];
public:
    void inputArray()
    {
        cout << "Enter elements for Arr1" << endl;
        for (int i=0; i<5; i++)
        {
            cin >> arr1[i];
        }

        cout << "Enter Elements for array 2" << endl;
        for (int j=0; j<5; j++)
        { cin >> arr2[j]; }

    int compare()
    {   int sum1 = 0;
        int sum2 = 0;
```

```
for(int i = 0; i<5 ; i++)
{   sum1 += arr1[i];}

for ( int j =0 ; j<5 ; j++)
{   sum2 += arr2[j] ;}

if ( sum1 > sum2)
{  return sum1;}
else
{ return sum2;}
```

Task 4

```
class  arraycompare {
 // int  arr1[5];
 // int  arr2[5];
  public:
    void  input()
    {
       int  arr1[5]={ 1, 2, 3, 4, 5};
       int  arr2[5] = { 7, 8, 9, 10, 11 };
    }
   int     compare()
   {   int  smallest = arr1[0];
       int j;
     for(int i=0; i<5; i++)
     {
```

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```
if (arr1[i] < smallest)
{   smallest = arr1[i]; }
}
for (j=0; j<0; j++)
{
 if (arr2[j] < smallest)
 {
    smallest = arr2[j];
 }
 }

 return smallest;
};
```

Task 5

```
class arrayadder {

 int arr1[5];
 int arr2[5];
 int arr3[5];
public:
  void input()
 {
   cout << " Enter 5 elements for arr1" <<endl;
  for (int i = 0; i< 5 ;i++)
 {  //Cin >> ar[arr1[5
```

```
        cin >> arr1[i]; }

    for ( int j=0; j<05; j++)
    {   cin >> arr2[j]; }
        int k;
    for ( k=0; k<5; k++)
    {   cin >> arr3[k]; }

}

 void    sum()
{   for (int i=0 ; i<5 ; i++)
    {   arr3[i] = arr1[i] + arr2[i]; }
}

void    display()
{
   for ( int i=0 ; i<5; i++)
    {
     cout << " Elements store in arr 3" << endl;
    }
}
};
```

Task 6

```
class swapper {

    int arr1[3];
    int arr2[3];
  public:
    void input()
    { cout<<"Input for 1st arr"<<endl;
      for(int i=0; i<3; i++)
      {  cin>>arr1[i];}
      for(int j=0; j<03; j++)
      {  cin>>arr2[j];}
    }

    void swapperofArrs()
    {
      for(int i=0; i<3; i++)
      {  int temp = arr1[i]
         arr1[i] = arr2[i]
         arr2[i] = temp;

      }
    }
};
```

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Task 7

```
class array swap {

    int arr1[2];
    int arr2[2];
    public:
    void inputArrays()
    { cout << "Input for arr1" << endl;
      for (int i=0; i<2; i++)
      { cin >> arr1[i]; }
      for (J=0; J<2; J++)
      { cin >> arr2[J]; }
    }

    void swap()
    {
      for (int i=0; i<2; i++)
      { int temp = arr1[i];
        arr1[i] = arr2[i+1];
        arr2[i+1] = temp;

        temp = arr2[i];
        arr2[i] = arr1[i+1];
        arr1[i+1] = temp;
      }
    }
};
```

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Task 8

```
class    array manager
{
    int  arr1[10] = {0};
    int  size = 10;
    public:
      void  add(int x, in Y)
      {  if(x>=0 && x<size)
         { arr1[x] = y;
           cout << "Added" <<y<< "at Index" << x;
         }
         else {
           cout << "Index out of bound" <<endl;
         }
      }
      void  delete(int x){
         arr1[x] = 0;
         Cout << "Delete element at Index" << x;
      }
      else {
        cout<< "Index out of bound" <<endl;
      }
    }

void update(int x, int y) {
  if(x>=0 && x<size){
```

```
// arr1[i] = 0;
   arr1[x] = y;
   cout << "Update Index" << x << "to" << y;
  }
  else {
    cout << "Index out of bound" << endl;
  }
 }

void deleteall()
{
   int i;
  for (i = 0; i < size; i++)
  { arr1[i] = 0; }

  cout << "All elements deleted" << endl;
 }

void display() {
 cout << "current Array" << endl;
 for (int i=0 ; i< size ; i++)
 { cout << arr1[i] << " "; }

   cout << endl;
 }
};
```