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// File: Q1.c

// 1. Find minimum and maximum number in array.

#include<stdio.h>
```

```
int main(){
    int arr[5]= {92,87,5,79,11};
    int min=arr[0];
    int max=arr[0];

    for(int i=1;i<5;i++){
        if(arr[i]< min)
            min= arr[i];
    }
    printf("minimum is = %d.", min);

    for(int i=1;i<5;i++){
        if(arr[i]> max)
            max= arr[i];
    }
    printf("\nMaximum is = %d.", max);
}
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// File: Q2.c

// 2. Search the given number in array.

#include<stdio.h>
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```
int main(){
    int arr[5]= {92,87,5,79,11};
    int ele=719;

    for(int i=0;i<5;i++){
```

```
        if(arr[i]==ele){
            printf("Element found at index %d.",i);
            return 0;
        }
    }
    printf("Not found.");
}
```

```
// File: Q3.c
// 3. Find sum of all numbers.
#include<stdio.h>
```

```
int main(){
    int arr[5]= {92,87,5,79,11};
    int sum=0;

    for(int i=0;i<5;i++)
        sum +=arr[i];

    printf("Sum is %d", sum);
}
```

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// File: Q4.c
// 4. Find odd and even among the numbers.
#include<stdio.h>
```

```
int main(){
    int arr[5];
```

```

printf("Enter 5 numbers :");
for(int i=0;i<5;i++){
    scanf("%d",&arr[i]);
}
printf("Even : ");
for(int i=0;i<5;i++){
    if (arr[i]%2==0)
        printf("%d ",arr[i]);
}
printf("\nOdd : ");
for(int i=0;i<5;i++){
    if (arr[i]%2!=0)
        printf("%d ", arr[i]);
}
}

```

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// File: Q5.c
// 5. Print alternate elements in array.
#include<stdio.h>

```

```

int main(){
    int arr[5]= {92,87,5,79,11};

    printf("Alternate number is :");
    for(int i=0;i<5;i+=2)
        printf(" %d ", arr[i]);
}

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// File: Q6.c
// 6. Accept array and print only prime numbers of array.
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```
#include<stdio.h>
```

```
int main(){
    int arr[5];

    printf("Enter 5 numbers :");
    for(int i=0;i<5;i++){
        scanf("%d",&arr[i]);
    }
    printf("Prime Numbers :");
    for(int i=0;i<5;i++){
        int num= arr[i];
        int j;

        for(j=2;j<num;j++)
            if(num%j==0)
                break;

        if (j == num)
            printf("%d ", num);
    }
}
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// File: Q7.c
// 7. Take two array and add sum in third array
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```
#include<stdio.h>
```

```
int main(){
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int arr[5]= {1,2,3,4,5};
int brr[5]={10,20,30,40,50};
int result[5];

for(int i=0;i<5;i++)
    result[i] = arr[i]+brr[i];

printf("Resultant array :");
for(int i=0;i<5;i++)
    printf("%d ",result[i]);
}

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// File: Q8.c
// 8. Merge two arrays
#include<stdio.h>

int main(){
    int arr[5]={1,2,3,4,5};
    int brr[5]={6,7,8,9,10};
    int crr[10];
    int i,j;

    for(i=0;i<5;i++)
        crr[i]=arr[i];

    for(j=0;j<5;j++)
        crr[i+j]=brr[j];

    printf("Merged array : ");
    for(i=0;i<10;i++)
        printf("%d ",crr[i]);
}

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}
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// File: Q9.c
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// 9. Reverse the given array.
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```
#include<stdio.h>
```

```
int main(){  
    int arr[]={1,2,3,4,5};  
    int size = sizeof(arr)/sizeof(int);  
  
    printf("Reversed array :");  
    for(int i=size-1;i>=0;i--)  
        printf("%d ",arr[i]);  
}
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// File: Q10.c
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// 10. Sort the array.
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```
#include <stdio.h>
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```
int main() {  
    int arr[] = {5, 2, 9, 1, 6};  
    int size = sizeof(arr) / sizeof(int);  
    int i, j, min, temp;  
  
    for (i = 0; i < size - 1; i++) {  
        min = i;  
        for (j = i+1; j < size; j++) {  
            if (arr[j] < arr[min]) {
```

```
        min = j;
    }
}
temp = arr[i];
arr[i] = arr[min];
arr[min] = temp;
}

printf("Sorted Array: ");
for (i = 0; i < size; i++) {
    printf("%d ", arr[i]);
}

return 0;
}
```