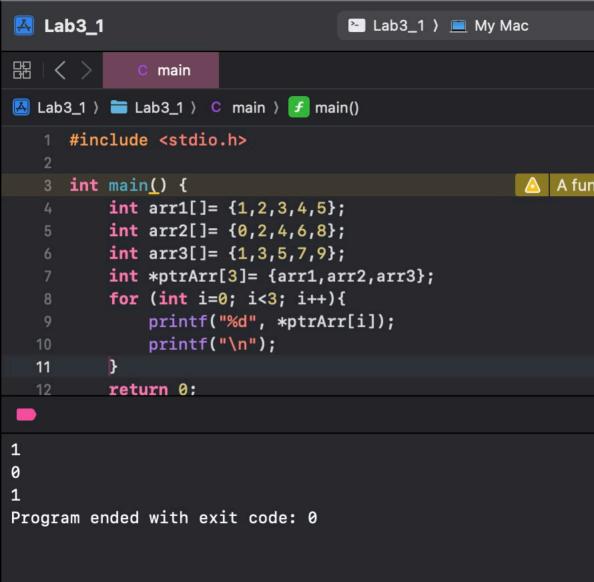
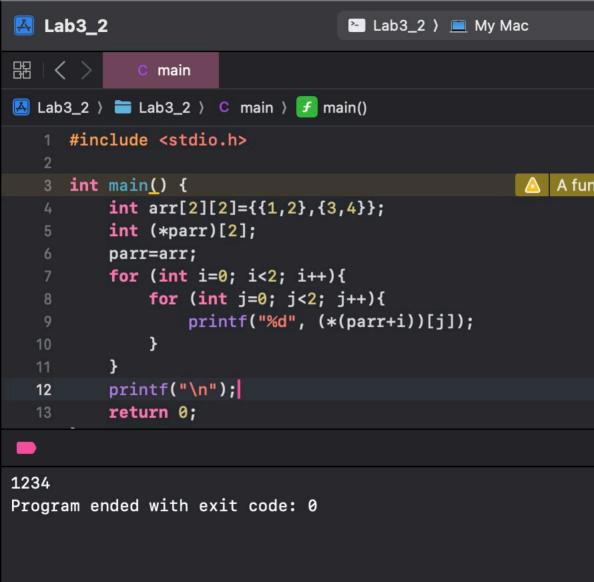
```
Lab3_4 > = Lab3_4 > C main > 5 main()
      #include <stdio.h>
      int main() {
                                                             A function of
           int arr[] = \{1,2,3,4,5,6,7,8,9\};
           int *ptr1, *ptr2;
           ptr1=arr;
           ptr2=&arr[8];
           while (ptr1<=ptr2){</pre>
               printf("%d",*ptr1);
               ptr1++;
           printf("\n");
  12
           return 0;
      }
123456789
Program ended with exit code: 0
```





```
Lab3_3
                                    Lab3_3 ) ■ My Mac
踞
  +\langle \ \rangle
             c main
Lab3_3 > = Lab3_3 > C main > f main()
      #include <stdio.h>
     void display (int(*)[3]);
      int main() {
                                                          A function declaration v
          int mat[3][3];
          printf("\nEnter the elements of the 3x3 matrix:\n");
   5
          for (int i=0; i<3; i++)
          {
              for (int j=0; j<3; j++)
                   scanf("%d", &mat[i][j]);
          }
          display(mat);
          return 0;
  12
      void display(int (*mat)[3])
          printf("\n The elements of the matrix are:");
          for (int i=0; i<3; i++)
          {
              printf("\n");
              for (int j=0; j<3; j++)
  21
                   printf("\t %d", *(*(mat+i)+j));
          printf("\n");
      }
```

```
Enter the elements of the 3x3 matrix:
 The elements of the matrix are:
        2 3
```

7 8 9
Program ended with exit code: 0

4 5 6

```
🔼 Lab3_5 〉 🚞 Lab3_5 〉 C main 〉 🛂 main()
      int main() {
                                                            A function declar
           int i,j,k;
           int arr[2][2][2];
           int(*parr)[2][2]=arr;
           printf("Enter the elements of a 2x2x2 array:\n");
           for (i=0;i<2;i++)</pre>
           {
               for (j=0;j<2;j++)</pre>
               {
                   for (k=0; k<2; k++)
  12
                        scanf("%d", &arr[i][j][k]);
               }
           }
           printf("The elements of the 2x2x2 array are: ");
           for (i=0;i<2;i++)
           {
               for (j=0;j<2;j++)
               {
                   for (k=0; k<2; k++)
  21
                        printf("%d",*(*(parr+i)+j)+k));
  22
               }
  23
           printf("\n");
  25
           return 0;
Enter the elements of a 2x2x2 array:
1
2
3
4
5
6
7
8
The elements of the 2x2x2 array are: 12345678
```

```
🔼 Lab3_6 〉 🚞 Lab3_6 〉 C main 〉 No Selection
      #include <stdio.h>
      int add(int *a, int *b) {
          return (*a) + (*b);
      }
      int main() {
                                                          A function declar
          int num1, num2, sum;
          printf("Enter the first number: ");
          scanf("%d", &num1);
          printf("Enter the second number: ");
          scanf("%d", &num2);
  12
          sum = add(&num1, &num2);
          printf("Total = %d\n", sum);
          return 0;
      }
  19
Enter the first number: 2
Enter the second number: 3
Total = 5
Program ended with exit code: 0
```

```
Lab3_7 > = Lab3_7 > C main > f main()
      #include <stdio.h>
      int isPrime(int num) {
          if (num <= 1) {
              return 0:
          }
          for (int i = 2; i * i <= num; i++) {
              if (num % i == 0) {
                  return 0;
          }
  12
          return 1;
      }
      int main() {
                                                      A function declara
          int num;
          printf("Enter any number: ");
          scanf("%d", &num);
          if (isPrime(num)) {
              printf("%d is a prime number\n", num);
          } else {
  21
              printf("%d is a composite number\n", num);
  22
  23
          return 0;
      }
Enter any number: 2
2 is a prime number
Program ended with exit code: 0
```

```
Lab3_7 > = Lab3_7 > C main > f main()
      #include <stdio.h>
      int isPrime(int num) {
          if (num <= 1) {
              return 0:
          }
          for (int i = 2; i * i <= num; i++) {
              if (num % i == 0) {
                  return 0;
          }
  12
          return 1;
      }
      int main() {
                                                      A function declara
          int num;
          printf("Enter any number: ");
          scanf("%d", &num);
          if (isPrime(num)) {
              printf("%d is a prime number\n", num);
          } else {
  21
              printf("%d is a composite number\n", num);
  22
  23
          return 0;
      }
Enter any number: 6
6 is a composite number
Program ended with exit code: 0
```

```
Lab3_7 > = Lab3_7 > C main > f main()
      #include <stdio.h>
      int isPrime(int num) {
          if (num <= 1) {
              return 0:
          }
          for (int i = 2; i * i <= num; i++) {
              if (num % i == 0) {
                  return 0;
          }
  12
          return 1;
      }
      int main() {
                                                      A function declara
          int num;
          printf("Enter any number: ");
          scanf("%d", &num);
          if (isPrime(num)) {
              printf("%d is a prime number\n", num);
          } else {
  21
              printf("%d is a composite number\n", num);
  22
  23
          return 0;
      }
Enter any number: 7
7 is a prime number
Program ended with exit code: 0
```

```
Lab3_8 > = Lab3_8 > C main > f main()
     #include <stdio.h>
     int main() {
                                                     A function declara
          int num;
          printf("Enter a number: ");
          scanf("%d", &num);
          if (num % 2 == 0) {
              printf("The number is an even number.\n");
          } else {
              printf("The number is an odd number.\n");
  11
  12
          return 0;
  13 }
Enter a number: 34
The number is an even number.
Program ended with exit code: 0
```