```
Fx1.c
    #include<stdio.h>
 1
                                                   C:\Users\claud\OneDrive - Fat X
    #include<math.h>
 2
                                                   Peso e altura? 66 1.74
                                                   IMC = 21.80
 3 pint main(void){
 4
          float p,a,i;
                                                  Process exited after 8.227 seconds with return value 0
 5
                                                  Pressione qualquer tecla para continuar. . .
 6
          printf("Peso e altura? ");
 7
          scanf("%f %f",&p,&a);
 8
          i = p/pow(a,2);
 9
          printf("IMC = %.2f\n",i);
10
11
          return 0;
12 <sup>L</sup> }
13
```

```
Ex1.c Ex2.c
  1
     #include<stdio.h>
                                                   C:\Users\claud\OneDrive - Fat X
     #include<math.h>
                                                   Peso e altura?66 1.74
  3
                                                   IMC = 21.80
                                                   Normal
  4 pint main(void){
  5
           float p,a,i;
                                                   Process exited after 5.802 seconds with return value 0
  6
                                                   Pressione qualquer tecla para continuar. . .
  7
           printf("Peso e altura?");
           scanf("%f %f",&p,&a);
  8
  9
           i = p/pow(a,2);
 10
 11
           printf("IMC = %.2f\n",i);
 12
 13
           if(i<18.5) puts("Magra");</pre>
           else if(i>30) puts("Obesa");
 14
 15
           else puts("Normal");
 16
 17
           return 0;
 18 <sup>L</sup> }
 19
```

```
Fx1.c
     Fx2.c Ex3.c
 1 #include<stdio.h>
                                                                                           C:\Users\claud\OneDrive - Fat X
                                                                                          Placa? 2
 3 pint main(void){
                                                                                          Segunda-feira
 4
            int p;
            printf("Placa? ");
 5
                                                                                          Process exited after 4.474 seconds with return value 0
            scanf("%d",&p);
  6
                                                                                          Pressione qualquer tecla para continuar. . . |
            switch(p%10){
 7白
 8
                 case 1: case 2: puts("Segunda-feira"); break;
                 case 3: case 4: puts("Terca-feira"); break;
case 5: case 6: puts("Quarta-feira"); break;
case 7: case 8: puts("Quinta-feira"); break;
 9
10
11
                                      puts("Sexta-feira");
                  default:
12
13
14
            return 0;
15 <sup>[</sup> }
16
```

```
Ex2.c Ex3.c Ex4.c
Ex1.c
 1
    #include<stdio.h>
                                                                                                      ©:\ C:\Users\claud\OneDrive - Fat X
                                                    Numero? 6
 3 □ int main(void){
                                                     Fatorial: 720
 4
          int n,f;
 5
                                                    Process exited after 7.418 seconds with return value 0
          printf("Numero? ");
 6
                                                    Pressione qualquer tecla para continuar. . .
 7
          scanf("%d",&n);
 8
          f = 1;
 9
10
          for(int i=2; i<=n; i++)</pre>
11
                f *= i;
12
          printf("Fatorial: %d\n",f);
13
14
          return 0;
15 <sup>L</sup> }
```

Exercício 5

```
Ex2.c Ex3.c Ex4.c Ex5.c
Ex1.c
 1
     #include<stdio.h>
                                                                                                          C:\Users\claud\OneDrive - Fat X
                                                           Numero? 69
 3 □ int main(void){
                                                           Soma dos digitos = 15
 4
          int n;
 5
 6
          printf("Numero? ");
                                                           Process exited after 6.132 seconds with return value 0
                                                           Pressione qualquer tecla para continuar. . .
 7
          scanf("%d" ,&n);
 8
 9
          int s=0;
10
11 🗎
          while(n>0){
12
               s += n%10;
13
               n /= 10;
14
15
          printf("Soma dos digitos = %d\n",s);
16
17
          return 0:
18 L }
```

```
Ex1.c
     Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c
     #include<stdio.h>
 1
     #include<time.h>
 2
                                                                                                           C:\Users\claud\OneDrive - Fat X
     #include<stdlib.h>
                                                         Chute entre 1 e 7: 5
                                                         Alto!
 5 □ int main(void){
                                                         Chute entre 1 e 7: 4
 6
          srand(time(NULL));
                                                         Alto!
 7
                                                         Chute entre 1 e 7: 1
          int c,n = rand()\%7+1;
                                                         Baixo!
 8
                                                         Chute entre 1 e 7: 3
 9 🖨
          do{
                                                         Alto!
               printf("Chute entre 1 e 7: ");
10
                                                         Chute entre 1 e 7: 2
                                                         Acertou!
               scanf("%d",&c);
11
12
               if(c<n) puts("Baixo!");</pre>
13
               else if(c>n) puts("Alto!");
                                                         Process exited after 21.71 seconds with return value 0
                                                         Pressione qualquer tecla para continuar. . .
14
          }while(n!=c);
15
16
          puts("Acertou!");
17
18
          return 0;
19 <sup>L</sup> }
```

```
Ex1.c Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c
 1
    #include<stdio.h>
                                                                C:\Users\claud\OneDrive - Fat X
 3 □ int fat(int n){
                                                               Fatorial do 5: 120
 4
          int f=1;
 5
          for(int i=2; i<=n; i++)f *= i;
                                                               Process exited after 0.08376 seconds with return value 0
 6
          return f;
                                                               Pressione qualquer tecla para continuar. . .
 7 <sup>L</sup> }
 8
 9 pint main(void){
          printf("Fatorial do 5: %d\n", fat(5));
10
          return 0;
12 }
13
```

Exercício 8

```
Ex1.c
     Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c
 1
     #include<stdio.h>
                                                                                               ×
                                                 C:\Users\claud\OneDrive -
 2
 3 □ void barras(int v[],int n){
 4 🗦
          for(int i=0; i<n; i++){</pre>
 5
              for(int j=0; j<v[i]; j++)</pre>
 6
                   putchar(220);
 7
              putchar('\n');
 8
 9
10
11 □ int main(void){
12
          int a[4] = \{3,4,2,1\};
13
          int b[3] = \{9,4,7\};
14
          barras (a,4);
15
          getchar();
16
          barras (b,3);
17
18
          return 0;
19
20
```

```
Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c
Ex1.c
 1
     #include<stdio.h>
                                                                                                         C:\Users\claud\OneDriv X
     #include<string.h>
 2
 3
                                                               Senha? abracadabra
4 □ int main(void){
                                                               0k!
 5
         char s[256];
 6
         printf("Senha? ");
                                                               Process exited after 14.34 seconds with return v
7
         gets(s);
                                                               alue 0
 8
         if (strcmp(s,"abracadabra")==0) puts("0k!");
                                                               Pressione qualquer tecla para continuar. . .
 9
         else puts("Senha invalida!");
10
         return 0;
11
12
13
```

```
Ex1.c
    Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c Ex10.c
                                                              ©: C:\Users\claud\OneDrive - Fat × + v
 1
     #include<stdio.h>
 2
                                                             (1.5, 2.5)
 3
     typedef struct {float x; float y; } Ponto;
                                                             Process exited after 0.0603 seconds with return value 0
 5 □ int main(void){
                                                             Pressione qualquer tecla para continuar. . .
 6
          Ponto p = \{1.5, 2.5\};
 7
          printf("(%.1f,%.1f)\n",p.x,p.y);
 8
          return 0;
 9
10
```

Exercício 11

```
Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c Ex10.c Ex11.c
    #include <stdio.h>
                                                                                                      ×
 1
                                                    C:\Users\claud\OneDrive - Fat X
 2
                                                   v=7, *p=7
 3 □ int main(void) {
 4
          int v =5; // variável simples
                                                   Process exited after 0.08115 seconds with return value 0
          int*p; // variável ponteiro
 5
                                                   Pressione qualquer tecla para continuar. . .
 6
          p = &v;
 7
          *p = *p + 2;
 8
          printf("v=%d, *p=%d\n",v,*p);
 9
10
          return 0;
11
```

Exercício 12

```
Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c
                                                  ©: C:\Users\claud\OneDrive - Fat X
    #include <stdio.h>
1
                                                 x: 5 y: 3
3 poid troca(int a, int b) {
                                                 Process exited after 0.06022 seconds with return value 0
         int c = a;
 4
                                                 Pressione qualquer tecla para continuar. . .
 5
         a = b;
 6
         b = c;
 7
9 □ int main(void) {
10
         int x = 5, y = 3;
         troca(x, y);
         printf("x: %d y: %d", x, y);
13 L }
```

```
Ex1.c Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c
                                                 C:\Users\claud\OneDrive - Fat X
     #include <stdio.h>
 2 □ void troca(int *a, int *b) {
                                                x: 3 y: 5
 3
         int c = *a;
                                                Process exited after 0.06849 seconds with return value 0
 4
          *a = *b;
                                                Pressione qualquer tecla para continuar. . .
          *b = c;
 5
 6
 7
 9 □ int main(void) {
          int x = 5, y = 3;
10
          troca(&x, &y);
11
12
          printf("x: %d y: %d", x, y);
13
```

```
Ex1.c Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c Ex10.c Ex11.c Ex12.c Ex14.c
     #include<stdio.h>
 1
                                                            C:\Users\claud\OneDrive - Fat X
    #include<stdlib.h>
 2
                                                            Quantidade de numeros? 6
 4 □ float media(float v[],int n){
                                                            lo numero? 5
                                                            2o numero? 8
 5
         float s = 0;
                                                            3o numero? 1
 6
                                                            4o numero? 9
 7
         for(int i=0; i<n; i++)
                                                           5o numero? 10
 8
              s += v[i];
                                                            60 numero? 7
                                                            Media = 6.67
 9
10
         return s/n;
11 L }
                                                            Process exited after 17.38 seconds with return value 0
12
                                                            Pressione qualquer tecla para continuar. . .
13 □ int main(void){
14
         int n;
15
         printf("Quantidade de numeros? ");
16
17
         scanf("%d",&n);
18
19
         float *v = malloc(n*sizeof(float));
20
21 🖨
         for(int i=0; i<n; i++){
              printf("%do numero? ",i+1);
22
23
              scanf("%f",&v[i]);
24
25
26
         printf("Media = %.2f\n", media(v,n));
27
         return 0;
```

```
Ex2.c Ex3.c Ex4.c Ex5.c Ex6.c Ex7.c Ex8.c Ex9.c Ex10.c Ex11.c Ex12.c Ex14.c Ex15.c
Ex1.c
 1
     #include<stdio.h>
 2
     #include<stdlib.h>
                                                      C:\Users\claud\OneDrive - Fat X
 3
    typedef struct no *Ptr;
 4
    struct no{int item; Ptr prox;};
                                                     5
 6
 7⊟ Ptr no(int x,Ptr p){
                                                     Process exited after 0.04821 seconds with return value 0
 8
          Ptr n = malloc(sizeof(struct no));
                                                     Pressione qualquer tecla para continuar. . .
 9
         n->item = x;
10
         n->prox = p;
11
          return n;
12
13
14 □ int main(void){
15
          Ptr p = no(3, no(1, no(5, NULL)));
16 🖨
          while(p != NULL){
17
              printf("%d\n",p->item);
18
              p = p \rightarrow prox;
19
20
          return 0;
21 L }
```