

Arquivos:

tipo FILE

FILE * fopen (char *nome, char *modo);

void fclose (FILE *fp);

char:

int fputc (FILE *fp, char c)

~~char~~ fgetc (FILE *fp)

int fread (void *ptr, int nbytes, int nblocks, FILE *fp);	} Simétrico
int fwrite (void *ptr, int nbytes, int nblocks, FILE *fp);	

int fprintf (FILE *fp, "....", arglist);

int main () }

Modo:

r, w, a, rt, wt, at

```
FILE * fich;
double real = 7.33, auxr;
int i = 100, auxi, comp;
char *s = "OLA", auxs[4];
```

fich = fopen ("mydata.dat", "wt");

fwrite (&real, sizeof (double), 1, fich);

fwrite (&i, sizeof (int), 1, fich);

fwrite (s, strlen(s), 1, fich);

rewind (fich);

fread (&auxr, sizeof (double), 1, fich);

fread (&auxi, sizeof (int), 1, fich);

fread (&comp, sizeof (int), 1, fich);

fread (&~~auxs~~, comp, 1, fich);

fclose (fich);

comp = strlen (s);
 fwrite (&comp, sizeof (int), 1, fich)

Gestão de Alunos

```
typedef struct sAluno {
    char numero[10];
    char nome[60];
} Aluno;
```

```
int main() {
```

```
    Aluno a1 = {"4140", "Carlos"}, a2 = {"2238", "Ana"};
```

```
    LAluno l1 = {2, {a1, a2}}, l2;
```

```
    saveAlunos(l1);
```

```
    l2 = readAlunos();
```

```
    listar(l2);
}
```

```
void saveAlunos(LAluno l) {
```

```
    FILE *f;
```

```
    f = fopen("alunos.dat", "w");
```

```
    fwrite(&l, sizeof(LAluno), 1, f);
```

```
    fclose(f);
}
```

```
LAluno readAlunos() {
```

```
    FILE *f;
```

```
    LAluno res;
```

```
    f = fopen("alunos.dat", "r");
```

```
    fread(&res, sizeof(LAluno), 1, f);
```

```
    fclose(f);
```

```
    return res;
}
```

```
void saveAlunos2 (Aluno l) {
```

```
    FILE *f;
    f = fopen("alunos.dat", "w");
    fwrite (&l, sizeof(int), 1, f);
    while (i < l.nalunos) {
        fwrite (&(l.hs[i]), sizeof(Aluno), 1, f);
        i++;
    }
    fclose(f);
}
```

Lista 4 grade

```
typedef struct sAluno {
```

```
    Aluno a;
    struct sAluno *seg;
```

```
{ * &Aluno, N < Aluno;
```

