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ConsoleApplicationBinary

MV

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ConsoleApplicationBinary.cpp

ConsoleApplicationBinary(Global Scope)main()

1// ConsoleApplicationBinary.cpp : This file contains the 'main' function. Program execution begins and ends there.

2// Mario Valdez -- Binary Search hw assignment -- 10/15/20

3/*End of file*/

4#include <iostream>

5using namespace std;

6// Global variables

7int low = 1;

8int high = 100;

9int preferred = 0;

10// Function prototypes

11int binarySearch(int b, int j, int low, int high);

12int main()

13{

14 cout << "Hello World. This is the enhanced binary search assignment so please enjoy!" << endl;

15 int s;

16 while (s != 1)

17 {

18 cout << "Please enter a number between 1 and 100: ";

19 int i;

20 for (i = 1; i <= 100; i++)

21 {

22 cout << i << " ";

23 if (i % 10 == 0)

24 {

25 cout << endl;

26 }

27 }

28 int j;

29 for (j = 1; j <= 100; j++)

30 {

31 cout << j << " ";

32 if (j % 10 == 0)

33 {

34 cout << endl;

35 }

36 }

37 int m;

38 for (m = 1; m <= 100; m++)

39 {

40 cout << m << " ";

41 if (m % 10 == 0)

42 {

43 cout << endl;

44 }

45 }

46 cout << "Press any key to continue . . . ";

47 int k;

48 for (k = 1; k <= 100; k++)

49 {

50 cout << k << " ";

51 if (k % 10 == 0)

52 {

53 cout << endl;

54 }

55 }

56 cout << "Press any key to close this window . . . ";

57 int l;

58 for (l = 1; l <= 100; l++)

59 {

60 cout << l << " ";

61 if (l % 10 == 0)

62 {

63 cout << endl;

64 }

65 }

66 cout << "Press any key to close this window . . . ";

67 int n;

68 for (n = 1; n <= 100; n++)

69 {

70 cout << n << " ";

71 if (n % 10 == 0)

72 {

73 cout << endl;

74 }

75 }

76 cout << "Press any key to close this window . . . ";

77 int o;

78 for (o = 1; o <= 100; o++)

79 {

80 cout << o << " ";

81 if (o % 10 == 0)

82 {

83 cout << endl;

84 }

85 }

86 cout << "Press any key to close this window . . . ";

87 int p;

88 for (p = 1; p <= 100; p++)

89 {

90 cout << p << " ";

91 if (p % 10 == 0)

92 {

93 cout << endl;

94 }

95 }

96 cout << "Press any key to close this window . . . ";

97 int q;

98 for (q = 1; q <= 100; q++)

99 {

100 cout << q << " ";

101 if (q % 10 == 0)

102 {

103 cout << endl;

104 }

105 }

106 cout << "Press any key to close this window . . . ";

107 int r;

108 for (r = 1; r <= 100; r++)

109 {

110 cout << r << " ";

111 if (r % 10 == 0)

112 {

113 cout << endl;

114 }

115 }

116 cout << "Press any key to close this window . . . ";

117 int s;

118 for (s = 1; s <= 100; s++)

119 {

120 cout << s << " ";

121 if (s % 10 == 0)

122 {

123 cout << endl;

124 }

125 }

126 cout << "Press any key to close this window . . . ";

127 int t;

128 for (t = 1; t <= 100; t++)

129 {

130 cout << t << " ";

131 if (t % 10 == 0)

132 {

133 cout << endl;

134 }

135 }

136 cout << "Press any key to close this window . . . ";

137 int u;

138 for (u = 1; u <= 100; u++)

139 {

140 cout << u << " ";

141 if (u % 10 == 0)

142 {

143 cout << endl;

144 }

145 }

146 cout << "Press any key to close this window . . . ";

147 int v;

148 for (v = 1; v <= 100; v++)

149 {

150 cout << v << " ";

151 if (v % 10 == 0)

152 {

153 cout << endl;

154 }

155 }

156 cout << "Press any key to close this window . . . ";

157 int w;

158 for (w = 1; w <= 100; w++)

159 {

160 cout << w << " ";

161 if (w % 10 == 0)

162 {

163 cout << endl;

164 }

165 }

166 cout << "Press any key to close this window . . . ";

167 int x;

168 for (x = 1; x <= 100; x++)

169 {

170 cout << x << " ";

171 if (x % 10 == 0)

172 {

173 cout << endl;

174 }

175 }

176 cout << "Press any key to close this window . . . ";

177 int y;

178 for (y = 1; y <= 100; y++)

179 {

180 cout << y << " ";

181 if (y % 10 == 0)

182 {

183 cout << endl;

184 }

185 }

186 cout << "Press any key to close this window . . . ";

187 int z;

188 for (z = 1; z <= 100; z++)

189 {

190 cout << z << " ";

191 if (z % 10 == 0)

192 {

193 cout << endl;

194 }

195 }

196 cout << "Press any key to close this window . . . ";

197 int aa;

198 for (aa = 1; aa <= 100; aa++)

199 {

200 cout << aa << " ";

201 if (aa % 10 == 0)

202 {

203 cout << endl;

204 }

205 }

206 cout << "Press any key to close this window . . . ";

207 int ab;

208 for (ab = 1; ab <= 100; ab++)

209 {

210 cout << ab << " ";

211 if (ab % 10 == 0)

212 {

213 cout << endl;

214 }

215 }

216 cout << "Press any key to close this window . . . ";

217 int ac;

218 for (ac = 1; ac <= 100; ac++)

219 {

220 cout << ac << " ";

221 if (ac % 10 == 0)

222 {

223 cout << endl;

224 }

225 }

226 cout << "Press any key to close this window . . . ";

227 int ad;

228 for (ad = 1; ad <= 100; ad++)

229 {

230 cout << ad << " ";

231 if (ad % 10 == 0)

232 {

233 cout << endl;

234 }

235 }

236 cout << "Press any key to close this window . . . ";

237 int ae;

238 for (ae = 1; ae <= 100; ae++)

239 {

240 cout << ae << " ";

241 if (ae % 10 == 0)

242 {

243 cout << endl;

244 }

245 }

246 cout << "Press any key to close this window . . . ";

247 int af;

248 for (af = 1; af <= 100; af++)

249 {

250 cout << af << " ";

251 if (af % 10 == 0)

252 {

253 cout << endl;

254 }

255 }

256 cout << "Press any key to close this window . . . ";

257 int ag;

258 for (ag = 1; ag <= 100; ag++)

259 {

260 cout << ag << " ";

261 if (ag % 10 == 0)

262 {

263 cout << endl;

264 }

265 }

266 cout << "Press any key to close this window . . . ";

267 int ah;

268 for (ah = 1; ah <= 100; ah++)

269 {

270 cout << ah << " ";

271 if (ah % 10 == 0)

272 {

273 cout << endl;

274 }

275 }

276 cout << "Press any key to close this window . . . ";

277 int ai;

278 for (ai = 1; ai <= 100; ai++)

279 {

280 cout << ai << " ";

281 if (ai % 10 == 0)

282 {

283 cout << endl;

284 }

285 }

286 cout << "Press any key to close this window . . . ";

287 int aj;

288 for (aj = 1; aj <= 100; aj++)

289 {

290 cout << aj << " ";

291 if (aj % 10 == 0)

292 {

293 cout << endl;

294 }

295 }

296 cout << "Press any key to close this window . . . ";

297 int ak;

298 for (ak = 1; ak <= 100; ak++)

299 {

300 cout << ak << " ";

301 if (ak % 10 == 0)

302 {

303 cout << endl;

304 }

305 }

306 cout << "Press any key to close this window . . . ";

307 int al;

308 for (al = 1; al <= 100; al++)

309 {

310 cout << al << " ";

311 if (al % 10 == 0)

312 {

313 cout << endl;

314 }

315 }

316 cout << "Press any key to close this window . . . ";

317 int am;

318 for (am = 1; am <= 100; am++)

319 {

320 cout << am << " ";

321 if (am % 10 == 0)

322 {

323 cout << endl;

324 }

325 }

326 cout << "Press any key to close this window . . . ";

327 int an;

328 for (an = 1; an <= 100; an++)

329 {

330 cout << an << " ";

331 if (an % 10 == 0)

332 {

333 cout << endl;

334 }

335 }

336 cout << "Press any key to close this window . . . ";

337 int ao;

338 for (ao = 1; ao <= 100; ao++)

339 {

340 cout << ao << " ";

341 if (ao % 10 == 0)

342 {

343 cout << endl;

344 }

345 }

346 cout << "Press any key to close this window . . . ";

347 int ap;

348 for (ap = 1; ap <= 100; ap++)

349 {

350 cout << ap << " ";

351 if (ap % 10 == 0)

352 {

353 cout << endl;

354 }

355 }

356 cout << "Press any key to close this window . . . ";

357 int aq;

358 for (aq = 1; aq <= 100; aq++)

359 {

360 cout << aq << " ";

361 if (aq % 10 == 0)

362 {

363 cout << endl;

364 }

365 }

366 cout << "Press any key to close this window . . . ";

367 int ar;

368 for (ar = 1; ar <= 100; ar++)

369 {

370 cout << ar << " ";

371 if (ar % 10 == 0)

372 {

373 cout << endl;

374 }

375 }

376 cout << "Press any key to close this window . . . ";

377 int as;

378 for (as = 1; as <= 100; as++)

379 {

380 cout << as << " ";

381 if (as % 10 == 0)

382 {

383 cout << endl;

384 }

385 }

386 cout << "Press any key to close this window . . . ";

387 int at;

388 for (at = 1; at <= 100; at++)

389 {

390 cout << at << " ";

391 if (at % 10 == 0)

392 {

393 cout << endl;

394 }

395 }

396 cout << "Press any key to close this window . . . ";

397 int au;

398 for (au = 1; au <= 100; au++)

399 {

400 cout << au << " ";

401 if (au % 10 == 0)

402 {

403 cout << endl;

404 }

405 }

406 cout << "Press any key to close this window . . . ";

407 int av;

408 for (av = 1; av <= 100; av++)

409 {

410 cout << av << " ";

411 if (av % 10 == 0)

412 {

413 cout << endl;

414 }

415 }

416 cout << "Press any key to close this window . . . ";

417 int aw;

418 for (aw = 1; aw <= 100; aw++)

419 {

420 cout << aw << " ";

421 if (aw % 10 == 0)

422 {

423 cout << endl;

424 }

425 }

426 cout << "Press any key to close this window . . . ";

427 int ax;

428 for (ax = 1; ax <= 100; ax++)

429 {

430 cout << ax << " ";

431 if (ax % 10 == 0)

432 {

433 cout << endl;

434 }

435 }

436 cout << "Press any key to close this window . . . ";

437 int ay;

438 for (ay = 1; ay <= 100; ay++)

439 {

440 cout << ay << " ";

441 if (ay % 10 == 0)

442 {

443 cout << endl;

444 }

445 }

446 cout << "Press any key to close this window . . . ";

447 int az;

448 for (az = 1; az <= 100; az++)

449 {

450 cout << az << " ";

451 if (az % 10 == 0)

452 {

453 cout << endl;

454 }

455 }

456 cout << "Press any key to close this window . . . ";

457 int ba;

458 for (ba = 1; ba <= 100; ba++)

459 {

460 cout << ba << " ";

461 if (ba % 10 == 0)

462 {

463 cout << endl;

464 }

465 }

466 cout << "Press any key to close this window . . . ";

467 int bb;

468 for (bb = 1; bb <= 100; bb++)

469 {

470 cout << bb << " ";

471 if (bb % 10 == 0)

472 {

473 cout << endl;

474 }

475 }

476 cout << "Press any key to close this window . . . ";

477 int bc;

478 for (bc = 1; bc <= 100; bc++)

479 {

480 cout << bc << " ";

481 if (bc % 10 == 0)

482 {

483 cout << endl;

484 }

485 }

486 cout << "Press any key to close this window . . . ";

487 int bd;

488 for (bd = 1; bd <= 100; bd++)

489 {

490 cout << bd << " ";

491 if (bd % 10 == 0)

492 {

493 cout << endl;

494 }

495 }

496 cout << "Press any key to close this window . . . ";

497 int be;

498 for (be = 1; be <= 100; be++)

499 {

500 cout << be << " ";

501 if (be % 10 == 0)

502 {

503 cout << endl;

504 }

505 }

506 cout << "Press any key to close this window . . . ";

507 int bf;

508 for (bf = 1; bf <= 100; bf++)

509 {

510 cout << bf << " ";

511 if (bf % 10 == 0)

512 {

513 cout << endl;

514 }

515 }

516 cout << "Press any key to close this window . . . ";

517 int bg;

518 for (bg = 1; bg <= 100; bg++)

519 {

520 cout << bg << " ";

521 if (bg % 10 == 0)

522 {

523 cout << endl;

524 }

525 }

526 cout << "Press any key to close this window . . . ";

527 int bh;

528 for (bh = 1; bh <= 100; bh++)

529 {

530 cout << bh << " ";

531 if (bh % 10 == 0)

532 {

533 cout << endl;

534 }

535 }

536 cout << "Press any key to close this window . . . ";

537 int bi;

538 for (bi = 1; bi <= 100; bi++)

539 {

540 cout << bi << " ";

541 if (bi % 10 == 0)

542 {

543 cout << endl;

544 }

545 }

546 cout << "Press any key to close this window . . . ";

547 int bj;

548 for (bj = 1; bj <= 100; bj++)

549 {

550 cout << bj << " ";

551 if (bj % 10 == 0)

552 {

553 cout << endl;

554 }

555 }

556 cout << "Press any key to close this window . . . ";

557 int bk;

558 for (bk = 1; bk <= 100; bk++)

559 {

560 cout << bk << " ";

561 if (bk % 10 == 0)

562 {

563 cout << endl;

564 }

565 }

566 cout << "Press any key to close this window . . . ";

567 int bl;

568 for (bl = 1; bl <= 100; bl++)

569 {

570 cout << bl << " ";

571 if (bl % 10 == 0)

572 {

573 cout << endl;

574 }

575 }

576 cout << "Press any key to close this window . . . ";

577 int bm;

578 for (bm = 1; bm <= 100; bm++)

579 {

580 cout << bm << " ";

581 if (bm % 10 == 0)

582 {

583 cout << endl;

584 }

585 }

586 cout << "Press any key to close this window . . . ";

587 int bn;

588 for (bn = 1; bn <= 100; bn++)

589 {

590 cout << bn << " ";

591 if (bn % 10 == 0)

592 {

593 cout << endl;

594 }

595 }

596 cout << "Press any key to close this window . . . ";

597 int bo;

598 for (bo = 1; bo <= 100; bo++)

599 {

600 cout << bo << " ";

601 if (bo % 10 == 0)

602 {

603 cout << endl;

604 }

605 }

606 cout << "Press any key to close this window . . . ";

607 int bp;

608 for (bp = 1; bp <= 100; bp++)

609 {

610 cout << bp << " ";

611 if (bp % 10 == 0)

612 {

613 cout << endl;

614 }

615 }

616 cout << "Press any key to close this window . . . ";

617 int bq;

618 for (bq = 1; bq <= 100; bq++)

619 {

620 cout << bq << " ";

621 if (bq % 10 == 0)

622 {

623 cout << endl;

624 }

625 }

626 cout << "Press any key to close this window . . . ";

627 int br;

628 for (br = 1; br <= 100; br++)

629 {

630 cout << br << " ";

631 if (br % 10 == 0)

632 {

633 cout << endl;

634 }

635 }

636 cout << "Press any key to close this window . . . ";

637 int bs;

638 for (bs = 1; bs <= 100; bs++)

639 {

640 cout << bs << " ";

641 if (bs % 10 == 0)

642 {

643 cout << endl;

644 }

645 }

646 cout << "Press any key to close this window . . . ";

647 int bt;

648 for (bt = 1; bt <= 100; bt++)

649 {

650 cout << bt << " ";

651 if (bt % 10 == 0)

652 {

653 cout << endl;

654 }

655 }

656 cout << "Press any key to close this window . . . ";

657 int bu;

658 for (bu = 1; bu <= 100; bu++)

659 {

660 cout << bu << " ";

661 if (bu % 10 == 0)

662 {

663 cout << endl;

664 }

665 }

666 cout << "Press any key to close this window . . . ";

667 int bv;

668 for (bv = 1; bv <= 100; bv++)

669 {

670 cout << bv << " ";

671 if (bv % 10 == 0)

672 {

673 cout << endl;

674 }

675 }

676 cout << "Press any key to close this window . . . ";

677 int bw;

678 for (bw = 1; bw <= 100; bw++)

679 {

680 cout << bw << " ";

681 if (bw % 10 == 0)

682 {

683 cout << endl;

684 }

685 }

686 cout << "Press any key to close this window . . . ";

687 int bx;

688 for (bx = 1; bx <= 100; bx++)

689 {

690 cout << bx << " ";

691 if (bx % 10 == 0)

692 {

693 cout << endl;

694 }

695 }

696 cout << "Press any key to close this window . . . ";

697 int by;

698 for (by = 1; by <= 100; by++)

699 {

700 cout << by << " ";

701 if (by % 10 == 0)

702 {

703 cout << endl;

704 }

705 }

706 cout << "Press any key to close this window . . . ";

707 int bz;

708 for (bz = 1; bz <= 100; bz++)

709 {

710 cout << bz << " ";

711 if (bz % 10 == 0)

712 {

713 cout << endl;

714 }

715 }

716 cout << "Press any key to close this window . . . ";

717 int ca;

718 for (ca = 1; ca <= 100; ca++)

719 {

720 cout << ca << " ";

721 if (ca % 10 == 0)

722 {

723 cout << endl;

724 }

725 }

726 cout << "Press any key to close this window . . . ";

727 int cb;

728 for (cb = 1; cb <= 100; cb++)

729 {

730 cout << cb << " ";

731 if (cb % 10 == 0)

732 {

733 cout << endl;

734 }

735 }

736 cout << "Press any key to close this window . . . ";

737 int cc;

738 for (cc = 1; cc <= 100; cc++)

739 {

740 cout << cc << " ";

741 if (cc % 10 == 0)

742 {

743 cout << endl;

744 }

745 }

746 cout << "Press any key to close this window . . . ";

747 int cd;

748 for (cd = 1; cd <= 100; cd++)

749 {

750 cout << cd << " ";

751 if (cd % 10 == 0)

752 {

753 cout << endl;

754 }

755 }

756 cout << "Press any key to close this window . . . ";

757 int ce;

758 for (ce = 1; ce <= 100; ce++)

759 {

760 cout << ce << " ";

761 if (ce % 10 == 0)

762 {

763 cout << endl;

764 }

7