> my\_height <- 160

> my\_weight <- 45

> bmi <- (my\_weight) / (my\_height/ 100)^2

> bmi

[1] 17.57812

> my\_name <- 11111

> my\_name

[1] 11111

> beyond\_start <- as.Date("1983-12-31")

> beyond\_start

[1] "1983-12-31"

> as.integer( ( as.integer(Sys.Date()) - as.integer(beyond\_start) ) / 365 )

[1] 34

> major\_quake\_time <- as.character("1999-09-21 01:47:16")

> major\_quake\_time

[1] "1999-09-21 01:47:16"

> first\_aftershock\_time <- as.character("1999-09-21 01:57:15")

> first\_aftershock\_time

[1] "1999-09-21 01:57:15"

> blanking\_time <- as.POSIXct(first\_aftershock\_time) - as.POSIXct(major\_quake\_time)

> blanking\_time

Time difference of 9.983333 mins

> weekdays <- c("Monday", "Tuesday", "Wednesday", "Thursday", "Friday")

> favorite\_day <- weekdays[5]

> favorite\_day

[1] "Friday"

|  |
| --- |
| > weekdays <- c("Monday", "Tuesday", "Wednesday", "Thursday", "Friday")  > not\_blue\_monday <- weekdays != "Monday"  > without\_monday <- weekdays[-1]  > without\_monday  [1] "Tuesday" "Wednesday" "Thursday" "Friday"  > speed\_char <- c("slow", "fast")  > speed\_factor <- factor(speed\_char, ordered = TRUE, levels = c("slow", "fast"))  > speed\_factor  [1] slow fast  Levels: slow < fast |

|  |
| --- |
| > my\_mat <- matrix(1:9, nrow = 3)  > my\_mat[2,3]  [1] 8  >  > my\_mat <- matrix(1:9, nrow = 3)  > filter <- my\_mat %% 2 == TRUE  > my\_mat[filter]  [1] 1 3 5 7 9  > team\_name <- c("Chicago Bulls", "Golden State Warriors")  > wins <- c(72, 73)  > losses <- c(10, 9)  > is\_champion <- c(TRUE, FALSE)  > season <- c("1995-96", "2015-16")  > great\_nba\_teams <- data.frame(team\_name, wins, losses, is\_champion, season, stringsAsFactors = FALSE)  > great\_nba\_teams$is\_champion  [1] TRUE FALSE  > great\_nba\_teams[,is\_champion]  team\_name losses season  1 Chicago Bulls 10 1995-96  2 Golden State Warriors 9 2015-16 |
|  |
| |  | | --- | | my\_arr <- array(1:1000, dim = c(10, 10, 10))  > my\_arr  , , 1  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 1 11 21 31 41 51 61 71 81 91  [2,] 2 12 22 32 42 52 62 72 82 92  [3,] 3 13 23 33 43 53 63 73 83 93  [4,] 4 14 24 34 44 54 64 74 84 94  [5,] 5 15 25 35 45 55 65 75 85 95  [6,] 6 16 26 36 46 56 66 76 86 96  [7,] 7 17 27 37 47 57 67 77 87 97  [8,] 8 18 28 38 48 58 68 78 88 98  [9,] 9 19 29 39 49 59 69 79 89 99  [10,] 10 20 30 40 50 60 70 80 90 100  , , 2  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 101 111 121 131 141 151 161 171 181 191  [2,] 102 112 122 132 142 152 162 172 182 192  [3,] 103 113 123 133 143 153 163 173 183 193  [4,] 104 114 124 134 144 154 164 174 184 194  [5,] 105 115 125 135 145 155 165 175 185 195  [6,] 106 116 126 136 146 156 166 176 186 196  [7,] 107 117 127 137 147 157 167 177 187 197  [8,] 108 118 128 138 148 158 168 178 188 198  [9,] 109 119 129 139 149 159 169 179 189 199  [10,] 110 120 130 140 150 160 170 180 190 200  , , 3  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 201 211 221 231 241 251 261 271 281 291  [2,] 202 212 222 232 242 252 262 272 282 292  [3,] 203 213 223 233 243 253 263 273 283 293  [4,] 204 214 224 234 244 254 264 274 284 294  [5,] 205 215 225 235 245 255 265 275 285 295  [6,] 206 216 226 236 246 256 266 276 286 296  [7,] 207 217 227 237 247 257 267 277 287 297  [8,] 208 218 228 238 248 258 268 278 288 298  [9,] 209 219 229 239 249 259 269 279 289 299  [10,] 210 220 230 240 250 260 270 280 290 300  , , 4  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 301 311 321 331 341 351 361 371 381 391  [2,] 302 312 322 332 342 352 362 372 382 392  [3,] 303 313 323 333 343 353 363 373 383 393  [4,] 304 314 324 334 344 354 364 374 384 394  [5,] 305 315 325 335 345 355 365 375 385 395  [6,] 306 316 326 336 346 356 366 376 386 396  [7,] 307 317 327 337 347 357 367 377 387 397  [8,] 308 318 328 338 348 358 368 378 388 398  [9,] 309 319 329 339 349 359 369 379 389 399  [10,] 310 320 330 340 350 360 370 380 390 400  , , 5  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 401 411 421 431 441 451 461 471 481 491  [2,] 402 412 422 432 442 452 462 472 482 492  [3,] 403 413 423 433 443 453 463 473 483 493  [4,] 404 414 424 434 444 454 464 474 484 494  [5,] 405 415 425 435 445 455 465 475 485 495  [6,] 406 416 426 436 446 456 466 476 486 496  [7,] 407 417 427 437 447 457 467 477 487 497  [8,] 408 418 428 438 448 458 468 478 488 498  [9,] 409 419 429 439 449 459 469 479 489 499  [10,] 410 420 430 440 450 460 470 480 490 500  , , 6  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 501 511 521 531 541 551 561 571 581 591  [2,] 502 512 522 532 542 552 562 572 582 592  [3,] 503 513 523 533 543 553 563 573 583 593  [4,] 504 514 524 534 544 554 564 574 584 594  [5,] 505 515 525 535 545 555 565 575 585 595  [6,] 506 516 526 536 546 556 566 576 586 596  [7,] 507 517 527 537 547 557 567 577 587 597  [8,] 508 518 528 538 548 558 568 578 588 598  [9,] 509 519 529 539 549 559 569 579 589 599  [10,] 510 520 530 540 550 560 570 580 590 600  , , 7  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 601 611 621 631 641 651 661 671 681 691  [2,] 602 612 622 632 642 652 662 672 682 692  [3,] 603 613 623 633 643 653 663 673 683 693  [4,] 604 614 624 634 644 654 664 674 684 694  [5,] 605 615 625 635 645 655 665 675 685 695  [6,] 606 616 626 636 646 656 666 676 686 696  [7,] 607 617 627 637 647 657 667 677 687 697  [8,] 608 618 628 638 648 658 668 678 688 698  [9,] 609 619 629 639 649 659 669 679 689 699  [10,] 610 620 630 640 650 660 670 680 690 700  , , 8  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 701 711 721 731 741 751 761 771 781 791  [2,] 702 712 722 732 742 752 762 772 782 792  [3,] 703 713 723 733 743 753 763 773 783 793  [4,] 704 714 724 734 744 754 764 774 784 794  [5,] 705 715 725 735 745 755 765 775 785 795  [6,] 706 716 726 736 746 756 766 776 786 796  [7,] 707 717 727 737 747 757 767 777 787 797  [8,] 708 718 728 738 748 758 768 778 788 798  [9,] 709 719 729 739 749 759 769 779 789 799  [10,] 710 720 730 740 750 760 770 780 790 800  , , 9  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 801 811 821 831 841 851 861 871 881 891  [2,] 802 812 822 832 842 852 862 872 882 892  [3,] 803 813 823 833 843 853 863 873 883 893  [4,] 804 814 824 834 844 854 864 874 884 894  [5,] 805 815 825 835 845 855 865 875 885 895  [6,] 806 816 826 836 846 856 866 876 886 896  [7,] 807 817 827 837 847 857 867 877 887 897  [8,] 808 818 828 838 848 858 868 878 888 898  [9,] 809 819 829 839 849 859 869 879 889 899  [10,] 810 820 830 840 850 860 870 880 890 900  , , 10  [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10]  [1,] 901 911 921 931 941 951 961 971 981 991  [2,] 902 912 922 932 942 952 962 972 982 992  [3,] 903 913 923 933 943 953 963 973 983 993  [4,] 904 914 924 934 944 954 964 974 984 994  [5,] 905 915 925 935 945 955 965 975 985 995  [6,] 906 916 926 936 946 956 966 976 986 996  [7,] 907 917 927 937 947 957 967 977 987 997  [8,] 908 918 928 938 948 958 968 978 988 998  [9,] 909 919 929 939 949 959 969 979 989 999  [10,] 910 920 930 940 950 960 970 980 990 1000  > my\_arr[5,2,4]  [1] 315 | | > title <- "Worst NBA Teams"  > teams <- c("Charlotte Bobcats", "Philadelphia 76ers")  > wins <- c(7, 9)  > losses <- c(59, 73)  > worst\_nba\_teams <- list(title,teams,wins,losses)  > worst\_nba\_teams[[3]]  [1] 7 9  > title <- "Worst NBA Teams"  > teams <- c("Charlotte Bobcats", "Philadelphia 76ers")  > wins <- c(7, 9)  > losses <- c(59, 73)  > worst\_nba\_teams <- list(Title = title, Teams = teams, Wins = wins, Losses = losses)  > worst\_nba\_teams$Teams  [1] "Charlotte Bobcats" "Philadelphia 76ers" | | |  | | --- | |  | |  |  | | --- | |  | |