Array;

#include <stdio.h>

#include <stdlib.h>

int main()

{

int luckyNums [] = {4,8,15,16,23,42};

printf("\n\nYour number is %d\n\n", luckyNums[1]);

return 0;

}

#include <stdio.h>

#include <stdlib.h>

#

int main()

{

int luckyNums [6] = {4,8,15,16,23,42};

printf("\n\nElement %d is: %d\n\n", 1, luckyNums[0]);

printf("\n\nElement %d is: %d\n\n", 2, luckyNums[1]);

printf("\n\nElement %d is: %d\n\n", 3, luckyNums[2]);

printf("\n\nElement %d is: %d\n\n", 4, luckyNums[3]);

printf("\n\nElement %d is: %d\n\n", 5, luckyNums[4]);

printf("\n\nElement %d is: %d\n\n", 6, luckyNums[5]);

return 0;

}

User Input

#include <stdio.h>

#include <stdlib.h>

int main()

{

int luckyNums [6] = {4,8,15,16,23,42};

int userInput;

printf("\n\nPick a number between 1 and 6\n");

scanf("%d", &userInput);

system("cls");

if (userInput == 1){

printf("\n\nElement %d is: %d\n\n", 1, luckyNums[0]);

} else if (userInput == 2){

printf("\n\nElement %d is: %d\n\n", 2, luckyNums[1]);

} else if (userInput == 3){

printf("\n\nElement %d is: %d\n\n", 3, luckyNums[2]);

} else if (userInput == 4){

printf("\n\nElement %d is: %d\n\n", 4, luckyNums[3]);

} else if (userInput == 5){

printf("\n\nElement %d is: %d\n\n", 5, luckyNums[4]);

} else if (userInput == 6){

printf("\n\nElement %d is: %d\n\n", 6, luckyNums[5]);

} else {

printf("\n\n%d is not an Option!!!\n\n", userInput);

}

return 0;

}

Incrementer

#include <stdio.h>

#include <stdlib.h>

int main()

{

//initialise a variable to store the number of times prinf is run

int numPrints = 0;

//increment the variable by one

numPrints = numPrints + 1;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints + 1;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints + 1;

printf("The printf function has ran %d times \n", numPrints);

return 0;

}

++

#include <stdio.h>

#include <stdlib.h>

int main()

{

//initialise a variable to store the number of times prinf is run

int numPrints = 0;

//increment the variable by one

numPrints = numPrints ++;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints ++;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints ++;

printf("The printf function has ran %d times \n", numPrints);

return 0;

}

Decrementor

#include <stdio.h>

#include <stdlib.h>

int main()

{

//initialise a variable to store the number of times prinf is run

int numPrints = 0;

//increment the variable by one

numPrints = numPrints ++;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints --;

printf("The printf function has ran %d times \n", numPrints);

numPrints = numPrints ++;

printf("The printf function has ran %d times \n", numPrints);

return 0;

}

Calc

#include <stdio.h>

#include <stdlib.h>

int main()

{

printf("\n%d\n\n", 7%3); //returns 1

printf("\n%d\n\n", 3 + 5 \* 7); //returns 38

printf("\n%d\n\n", (3+5) \* 7); //returnd 56

return 0;

}

Grader

#include <stdio.h>

#include <stdlib.h>

int main()

{

int grades[6];

int sum;

int aver;

int num = 6;

printf("\nPlease enter each grade one by one!\n");

printf("Grade 1\n");

scanf ("%d", &grades[0]);

system("cls");

printf("Grade 2\n");

scanf ("%d", &grades[1]);

system("cls");

printf("Grade 3\n");

scanf ("%d", &grades[2]);

system("cls");

printf("Grade 4\n");

scanf ("%d", &grades[3]);

system("cls");

printf("Grade 5\n");

scanf ("%d", &grades[4]);

system("cls");

printf("Grade 6\n");

scanf ("%d", &grades[5]);

sum = grades[0] + grades[1] + grades[2] + grades[3] + grades[4] + grades[5];

aver = sum / num;

system("cls");

printf("\n\nThe average of\n%d\n%d\n%d\n%d\n%d\n%d\n----\n Is %d%%", grades[0], grades[1], grades[2], grades[3], grades[4], grades[5], aver);

return 0;

}

Bill

#include <stdlib.h>

int main()

{

float billamount;

float per = 0.1;

float calc;

printf("\nHow much is the total bill?\n");

scanf("%f", &billamount);

system("cls");

calc = billamount \* per;

printf("\n\tBill amount \t%f\n", billamount);

printf("\tPercentage\t%f\n", per);

printf("\t\t\t---------\n");

printf("\t Total Bill\t%f", calc);

return 0;

}