# **Assignments**

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| 1. Accept a char input from the user and display it on the console. |
| *Code of the program*  import 'dart:io';  void main() {   print("Enter your Name : ");  String? name=stdin.readLineSync();    print("Enter your Age : ");  String? age=stdin.readLineSync();   print("Name : $name\n Age : $age"); }  *screenshot of the output.* |
| 1. Accept two inputs from the user and output its sum.  |  |  | | --- | --- | | **Variable** | **Data Type** | | Number 1 | Integer | | Number 2 | Float | | Sum | Float | |
| *Code of the program*  import 'dart:io';  void main() {  print("Enter 1st Number : ");  String? first=stdin.readLineSync();  int fr=int.*parse*(first!);   print("Enter 2nd Number : ");  String? second=stdin.readLineSync();  double sc=double.*parse*(second!);  double sum=fr+sc;  print("The Sum Is : $sum");  }  *screenshot of the output.* |
| 1. Write a program to find the simple interest.    1. Program should accept 3 inputs from the user and calculate simple interest for the given inputs. Formula: SI=(P\*R\*n)/100)  |  |  | | --- | --- | | **Variable** | **Data Type** | | Principal amount (P) | Integer | | Interest rate (R) | Float | | Number of years (n) | Float | | Simple Interest (SI) | Float | |
| *Code of the program*  import 'dart:io';  void main() {   print("Enter the Principle Amount : ");  String? pAmount=stdin.readLineSync();  int p=int.*parse*(pAmount!);   print("Enter the Interest Rate : ");  String? interestAmt=stdin.readLineSync();  double r=double.*parse*(interestAmt!);   print("Enter the no. of years : ");  String? nofYears=stdin.readLineSync();  double n=double.*parse*(nofYears!);  double SI=((p\*r\*n)/100);  print("The Simple Interest is : $SI");  }  *screenshot of the output.* |
| 1. Write a program to check whether a student has passed or failed in a subject after he or she enters their mark (pass mark for a subject is 50 out of 100). 2. Program should accept an input from the user and output a message as “Passed” or “Failed”  |  |  | | --- | --- | | **Variable** | **Data type** | | mark | float | |
| *Code of the program*  import 'dart:io';  void main() {   print("Enter the mark : ");  String? mMark=stdin.readLineSync();  double marks=double.*parse*(mMark!);   if(marks>=50 && marks<=100){  print("Passed");  } else if(marks<50){  print("Failed");  }else{  print("Invalid");  } }  *screenshot of the output.* |
| 1. Write a program to show the grade obtained by a student after he/she enters their total mark percentage. 2. Program should accept an input from the user and display their grade as follows  |  |  | | --- | --- | | **Mark** | **Grade** | | > 90 | A | | 80-89 | B | | 70-79 | C | | 60-69 | D | | 50-59 | E | | < 50 | Failed |  |  |  | | --- | --- | | **Variable** | **Data type** | | Total mark | float | |
| *Code of the program*  import 'dart:io';  void main() {  print("Enter the mark : ");  String? mMark=stdin.readLineSync();  double marks=double.*parse*(mMark!);   if(marks>=90 && marks<=100){  print("Grade is A");  }else if(marks>=80 && marks<=89){  print("Grade id B");  }else if(marks>=70 && marks<=79){  print("Grade id C");  }else if(marks>=60 && marks<=69){  print("Grade id D");  }else if(marks>=50 && marks<=59){  print("Grade id E");  }else if(marks<50){  print("Failed");  }else {  print("Invalid");  }  }  *screenshot of the output.* |
| 1. Using the ‘switch case’ write a program to accept an input number from the user and output the day as follows.  |  |  | | --- | --- | | **Input** | **Output** | | 1 | Sunday | | 2 | Monday | | 3 | Tuesday | | 4 | Wednesday | | 5 | Thursday | | 6 | Friday | | 7 | Saturday | | Any other input | Invalid Entry | |
| *Code of the program*  import 'dart:io';  void main() {  print("Select An option : \n 1. Sunday\n 2. Monday\n 3. Tuesday\n 4. Wednesday\n 5. Thursday\n 6. Friday\n 7. Saturday\n");  String? strDay=stdin.readLineSync();  double day=double.*parse*(strDay!);   switch (day) {  case 1:  print("Its Sunday");  break;  case 2:  print("Its Monday");  break;  case 3:  print("Its Tuesday");  break;  case 4:  print("Its Wednesday");  break;  case 5:  print("Its Thursday");  break;  case 6:  print("Its Friday");  break;  case 7:  print("Its Saturday");  break;  default:  print("Invalid");  break;  } }  *screenshot of the output.* |
| 1. Write a program to print the multiplication table of given numbers. 2. Accept an input from the user and display its multiplication table   Eg:  **Output**: Enter a number  **Input**: 5  **Output**:  1 x 5 = 5  2 x 5 = 10  3 x 5 = 15  4 x 5 = 20  5 x 5 = 25  6 x 5 = 30  7 x 5 = 35  8 x 5 = 40  9 x 5 = 45  10 x 5 = 50 |
| *Code of the program*  import 'dart:io';  void main() {  print("Enter a number to print the multiplication table");  String? strN=stdin.readLineSync();  int num=int.*parse*(strN!);   for(int i=1;i<11;i++){  int sum=i\*num;  print("$i x $num = $sum");  } }  *screenshot of the output.* |
| 1. Write a program to find the sum of all the odd numbers for a given limit 2. Program should accept an input as limit from the user and display the sum of all the odd numbers within that limit   For example if the input limit is 10 then the result is 1+3+5+7+9 = 25  **Output**: Enter a limit  **Input**: 10  **Output**: Sum of odd numbers = 25 |
| *Code of the program*  import 'dart:io';  void main() {  int sum=0;  print("Enter the limit : ");  String? strN=stdin.readLineSync();  int num=int.*parse*(strN!);  for(int i=1;i<num;i++){  if(i%2!=0){  sum=sum+i;  }  }  print(sum);  }  *screenshot of the output.* |
| 1. Write a program to print the following pattern (**hint**: use nested loop)   1  1 2  1 2 3  1 2 3 4  1 2 3 4 5 |
| *Code of the program*  import 'dart:io';  void main() {  int n=1;  stdout.write("Enter the limit : ");  int limit=int.*parse*(stdin.readLineSync()!);   for(int i=0;i<limit;i++){  for(int j=0;j<=i;j++){  stdout.write(" $n");  n++;  }  n=1;  stdout.write("\n");  } }  *screenshot of the output.* |
| 1. Write a program to interchange the values of two arrays. 2. Program should accept an array from the user, swap the values of two arrays and display it on the console   Eg: **Output**: Enter the size of arrays  **Input**: 5  **Output**: Enter the values of Array 1  **Input**: 10, 20, 30, 40, 50  **Output**: Enter the values of Array 2  **Input**: 15, 25, 35, 45, 55  **Output**: Arrays after swapping:  Array1: 15, 25, 35, 45, 55  Array2: 10, 20, 30, 40, 50 |
| *Code of the program*  List<int> fnumArray=[]; List<int> snumArray=[]; var temp; stdout.write("Enter Numbers for 1st Array Comma Seperarted"); String? fGetConsole=stdin.readLineSync(); stdout.write("Enter Numbers for 2nd Array Comma Seperarted"); String? sGetConsole=stdin.readLineSync(); List<String>? fListString=fGetConsole?.split(","); List<String>? sListString=sGetConsole?.split(","); for(String f in fListString!){  int intVal=int.parse(f);  fnumArray.add(intVal); } for(String s in sListString!){  int intVal=int.parse(s);  snumArray.add(intVal); } print("1st Array is $fnumArray"); print("2st Array is $snumArray"); for(int i=0;i<fnumArray.length;i++){  for(int j=i;j<fnumArray.length;j++) {  temp = fnumArray[i];  fnumArray[i]=snumArray[j];  snumArray[j]=temp;  break;  } } print(" Swapped 1 st Array is : $fnumArray"); print(" Swapped 2 nd Array is : $snumArray");  *screenshot of the output.* |
| 1. Write a program to find the number of even numbers in an array 2. Program should accept an array and display the number of even numbers contained in that array   Eg: **Output**: Enter the size of an array  **Input**: 5  **Output:** Enter the values of array  **Input:** 11, 20, 34, 50, 33  **Output:** Number of even numbers in the given array is 3 |
| *Code of the program*  List<int> arrayInt=[];  stdout.write("Enter The Elements Comma Seperated : "); String? stringName=stdin.readLineSync();  List<String>? listString=stringName?.split(",");  for(String s in listString!){  int num=int.parse(s);  if(num%2==0) {  arrayInt.add(num);  } } print("The number of Even Number is ${arrayInt.length}");  *screenshot of the output.* |
| 1. Write a program to sort an array in descending order 2. Program should accept and array, sort the array values in descending order and display it   Eg: **Output**: Enter the size of an array  **Input**: 5  **Output**: Enter the values of array  **Input**: 20, 10, 50, 30, 40  **Output**: Sorted array:  50, 40, 30, 20, 10 |
| *Code of the program*  List<int> arrayList=[]; stdout.write("Enter the size of the array : "); String? siz=stdin.readLineSync(); int? arraySize=int.parse(siz!); stdout.write("Enter the elements of the array (COMMA SEPERATED) : "); String? elem=stdin.readLineSync(); List<String>? arrayElems =elem?.split(","); if(arraySize!=arrayElems?.length){  print("Please Enter the correct number of elements...");  return; } for(String str in arrayElems!){  int el=int.parse(str.trim());  arrayList.add(el); } print("The array is $arrayList"); arrayList.sort(( a, b)=>b.compareTo(a)); // for sorting 2 variables descending order customly, sorting completely rely on (a,b) order print("The Sorted array is ${arrayList.join(" , ")}");  *screenshot of the output.* |
| 1. Write a program to identify whether a string is a palindrome or not 2. A string is a palindrome if it reads the same backward or forward eg: MALAYALAM   Program should accept a string and display whether the string is a palindrome or not  Eg: **Output**: Enter a string  **Input**: MALAYALAM  **Output**: Entered string is a palindrome  Eg 2: **Output**: Enter a string  **Input**: HELLO  **Output**: Entered string is not a palindrome |
| *Code of the program*  String reversedStr="";  stdout.write("Enter a String"); String? str=stdin.readLineSync();  for(int i=str!.length-1;i>=0;i--){  reversedStr += str[i]; }  if(str==reversedStr){  print("Its Pallindrome"); }else{  print("Its Not Pallindrome"); }  *screenshot of the output.* |
| 1. Write a program to add to two dimensional arrays 2. Program should accept two 2D arrays and display its sum   Eg: **Output**: Enter the size of arrays  **Input**: 3  **Output**: Enter the values of array 1  **Input**:  1 2 3  4 5 6  7 8 9  **Output**: Enter the values of array 2  **Input**:  10 20 30  40 50 60  70 80 90  **Output**: Sum of 2 arrays is:  11 22 33  44 55 66  77 88 99 |
| *Code of the program*  stdout.write("Enter no of rows in both arrays : "); int rows=int.parse(stdin.readLineSync()!);  stdout.write("Enter no of columns in both arraays : "); int cols=int.parse(stdin.readLineSync()!);  List<List<int>> array1=List.generate(rows, (row) => List.filled(cols,0)); List<List<int>> array2=List.generate(rows, (index) => List.filled(cols,0));  for(int i=0;i<rows;i++){  for(int j=0;j<cols;j++){  stdout.write("Enter element for 1st Array in position ($i , $j)");  array1[i][j]=int.parse(stdin.readLineSync()!);  } } print(array1); for(int i=0;i<rows;i++){  for(int j=0;j<cols;j++){  stdout.write("Enter element for 2nd Array in position ($i , $j)");  array2[i][j]=int.parse(stdin.readLineSync()!);  } } print(array2); List<List<int>> lastArray=List.generate(rows, (index) => List.filled(cols,0)); for(int i=0;i<rows;i++){  for(int j=0;j<cols;j++){  lastArray[i][j]=array1[i][j]+array2[i][j];  } } print(lastArray);  *screenshot of the output.* |
| 1. Write a program to accept an array and display it on the console using functions 2. Program should contain 3 functions including main() function   **main()**   1. Declare an array 2. Call function getArray() 3. Call function displayArray()   **getArray()**   1. Get values to the array   **displayArray()**   1. Display the array values |
| *Code of the program*  List<String>? array;  void getArray() {  stdout.write("Enter values for the array ( comma seperated ) : ");  String? vals = stdin.readLineSync();  array = vals?.split(","); }  void displayArray() {  print(array); }  getArray();  displayArray();  *screenshot of the output.* |
| 1. Write a program to check whether a given number is prime or not 2. Program should accept an input from the user and display whether the number is prime or not   Eg: **Output**: Enter a number  **Input**: 7  **Output**: Entered number is a Prime number |
| *Code of the program*  stdout.write("Enter the number : ");  String? n=stdin.readLineSync();  int num=int.parse(n!);   if(num==1||num==2){  print("$num Prime Number");  }else if(num%2!=0 && num%3!=0){  print("$num Prime Number");  }else{  print("$num Not Prime");  }  *screenshot of the output.* |
| 1. Write a menu driven program to do the basic mathematical operations such as addition, subtraction, multiplication and division (**hint**: use if else ladder or switch) 2. Program should have 4 functions named addition(), subtraction(), multiplication() and division() 3. Should create a class object and call the appropriate function as user prefers in the main function |
| *Code of the program*  stdout.write("enter 1st number : "); int fst=int.parse(stdin.readLineSync()!); stdout.write("enter 2nd number : "); int snd=int.parse(stdin.readLineSync()!); int multiplation(){  return fst\*snd; } int addition(){  return fst+snd; } double division(){  return (fst/snd); } int substraction(){  return fst-snd; } stdout.write(  "Enter the option \n 1. Addition \n 2. Substraction \n 3. Multiplication \n 4. Division \n "); int option = int.parse(stdin.readLineSync()!); switch(option){  case 1:  print(addition());  break;  case 2:  print(substraction());  break;  case 3:  print(multiplation());  break;  case 4:  print(division());  break;  default:  print("Invalid Entry "); }  *screenshot of the output.* |
| 1. Grades are computed using a weighted average. Suppose that the written test counts 70%, lab exams 20% and assignments 10%.   If Arun has a score of  Written test = 81  Lab exams = 68  Assignments = 92  Arun’s overall grade = (81x70)/100 + (68x20)/100 + (92x10)/100 = 79.5  Write a program to find the grade of a student during his academic year.   * 1. Program should accept the scores for written test, lab exams and assignments   2. Output the grade of a student (using weighted average)   Eg:  Enter the marks scored by the students  Written test = 55  Lab exams = 73  Assignments = 87  Grade of the student is 61.8 |
| *Code of the program*  stdout.write("Enter Score in Written Test : "); int wT=int.parse(stdin.readLineSync()!);  stdout.write("Enter Score in Lab Exam : "); int lT=int.parse(stdin.readLineSync()!);  stdout.write("Enter Score in Assignment : "); int aT=int.parse(stdin.readLineSync()!);  double wAvg=((wT\*70)/100) + ((lT\*20)/100) + ((aT\*10)/100); print("The weighted Average is $wAvg");  *screenshot of the output.* |
| 1. Income tax is calculated as per the following table  |  |  | | --- | --- | | **Annual Income** | **Tax percentage** | | Up to 2.5 Lakhs | No Tax | | Above 2.5 Lakhs to 5 Lakhs | 5% | | Above 5 Lakhs to 10 Lakhs | 20% | | Above 10 Lakhs to 50 Lakhs | 30% |   Write a program to find out the income tax amount of a person.   1. Program should accept annual income of a person   Output the amount of tax he has to pay  Eg 1:  Enter the annual income  495000  Income tax amount = 24750.00  Eg 2:  Enter the annual income  500000  Income tax amount = 25000.00 |
| *Code of the program*  stdout.write("Enter the annual income : "); int annInc=int.parse(stdin.readLineSync()!);  if(annInc<=250000){  print("No Tax"); }else if(annInc>250000 && annInc<=500000){  print("Tax is 5%");  print("Income Tax Amount is ${(annInc\*5)/100} "); }else if(annInc>500000 && annInc<=1000000){  print("Tax is 20%");  print("Income Tax Amount is ${(annInc\*20)/100} "); }else if(annInc>1000000 && annInc<=5000000){  print("Tax is 30%");  print("Income Tax Amount is ${(annInc\*30)/100} "); }  *screenshot of the output.* |
| 1. Write a program to print the following pattern using for loop   1  2 3  4 5 6  7 8 9 10 |
| *Code of the program*  int n=1; stdout.write("Enter the limit : "); int limit=int.parse(stdin.readLineSync()!);  for(int i=0;i<limit;i++){  for(int j=0;j<=i;j++){  stdout.write(" $n");  n++;  }  stdout.write("\n"); }  *screenshot of the output.* |
| 1. Write a program to multiply the adjacent values of an array and store it in an another array    1. Program should accept an array    2. Multiply the adjacent values    3. Store the result into another array   Eg:  Enter the array limit  5  Enter the values of array  1 2 3 4 5  Output  2 6 12 20 |
| *Code of the program*  stdout.write("Enter the values of the array ( comma seperated ) : ");  String? str=stdin.readLineSync();   List<String>? strArray=str?.split(",");  List<int> intArray=[];  List<int> addedArray=[];  for(String str in strArray!){  int intt=int.parse(str);  intArray.add(intt);  }   for(int i=0;i<intArray.length-1;i++){  int val=intArray[i]+intArray[i+1];  print(val);  addedArray.add(val);  }  print("Added array $addedArray");  *screenshot of the output.* |
| 1. Write a program to add the values of two 2D arrays 2. Program should contains 3 functions including the main function   **main()**   1. Call function getArray() 2. Call function addArray() 3. Call function displayArray()   **getArray()**   1. Get values to the array   **getArray()**   1. Add array 1 and array 2   **displayArray()**   1. Display the array values   Eg:  Enter the size of array  2  Enter the values of array 1  1 2  3 4  Enter the values of array 2  5 6  7 8  Output:  Sum of array 1 and array 2:  6 8  10 12 |
| *Code of the program*  stdout.write("Enter number of rows for both arrays : "); int rows = int.parse(stdin.readLineSync()!);  stdout.write("Enter number of columns for both arrays : "); int cols = int.parse(stdin.readLineSync()!);  List<List<int>> array1 = List.generate(rows, (row) => List.filled(cols, 0)); List<List<int>> array2 = List.generate(rows, (row) => List.filled(cols, 0));   void getArray() {  for (int i = 0; i < rows; i++) {  for (int j = 0; j < cols; j++) {  stdout.write("Enter a value for position ($i , $j) in Array 1 ");  array1[i][j] = int.parse(stdin.readLineSync()!);  }  }  for (int i = 0; i < rows; i++) {  for (int j = 0; j < cols; j++) {  stdout.write("Enter a value for position ($i , $j) in Array 2");  array2[i][j] = int.parse(stdin.readLineSync()!);  }  } } List<List<int>> arrayTotal =  List.generate(rows, (row) => List.filled(cols, 0)); void addArray() {  for (int i = 0; i < rows; i++) {  for (int j = 0; j < cols; j++) {  arrayTotal[i][j] = array1[i][j] + array2[i][j];  }  } } void displayArray(){  print("Array 1 $array1\n");  print("Array 2 $array2\n");  print("Total $arrayTotal");  } getArray(); addArray(); displayArray();  *screenshot of the output* |
| 1. Write an object oriented program to store and display the values of a 2D array    1. Program should contains 3 functions including the main function   **main()**   1. Declare an array 2. Call function getArray() 3. Call function displayArray()   **getArray()**   1. Get values to the array   **displayArray()**   1. Display the array values   Eg:  Enter the size of array  3  Enter the array values  1 2 3  4 5 6  7 8 9  Array elements are:  1 2 3  4 5 6  7 8 9 |
| *Code of the program*  stdout.write("Enter no of rows : ");  int rows = int.parse(stdin.readLineSync()!);  stdout.write("Enter no of columns : ");  int cols = int.parse(stdin.readLineSync()!);  List<List<int>> arrays = List.generate(rows, (row) => List.filled(cols, 0));   Display display = Display(rows: rows, cols: cols);  display.displayArray(display.getArray(arrays)); }  class Display {  int rows = 0, cols = 0;   Display({required int rows, required int cols}) {  this.rows = rows;  this.cols = cols;  }   List<List<int>> getArray(List<List<int>> arrays) {  List<List<int>> arrays = List.generate(rows, (row) => List.filled(cols, 0));  for (int i = 0; i < rows; i++) {  for (int j = 0; j < cols; j++) {  print("Enter value for Array 1 in position ($i , $j)");  int val = int.parse(stdin.readLineSync()!);  arrays[i][j] = val;  }  }  return arrays;  }   void displayArray(List<List<int>> arrays) {  print("The Array 1 is \n $arrays");  }  *screenshot of the output* |
| 1. Write a menu driven program to calculate the area of a given object.    1. Program should contain two classes       1. Class 1: MyClass       2. Class 2: Area    2. Class MyClass should inherit class Area and should contain the following functions       1. main()       2. circle()       3. square()       4. rectangle()       5. triangle()    3. Class Area should contain the following functions to calculate the area of different objects       1. circle()       2. square()       3. rectangle()       4. triangle()   Class MyClass extends Area{  public static void main(string args[]){  }  circle() {  }  square() {  }  rectangle() {  }  triangle() {  }  }  Class Area{  circle(){  }  square(){  }  rectangle() {  }  triangle() {  }  }  Eg 1:  Enter your choice   1. Circle 2. Square 3. Rectangle 4. Triangle   2  Enter the length  2  Output  Area of the square is: 4  Eg 2:  Enter your choice   1. Circle 2. Square 3. Rectangle 4. Triangle   1  Enter the radius  3  Output  Area of the circle is: 28.26 |
| *Code of the program*  import 'dart:io';  import 'Area.dart';  void main() {  stdout.write(  "Enter your choice : \n 1. Circle\n 2. Square\n 3. Rectangle\n 4. Triangle\n");  int option = int.*parse*(stdin.readLineSync()!);  MyClass myClass = MyClass();  switch (option) {  case 1:  myClass.circle();  break;  case 2:  myClass.square();  break;  case 3:  myClass.rectangle();  break;  case 4:  myClass.triangle();  break;  default:  print("Invalid Entry");  break;  } }  class MyClass extends Area {  void circle() {  stdout.write("Enter the radius : ");  double radius = double.*parse*(stdin.readLineSync()!);  print("The Area Is ${circleArea(radius)}");  }   void square() {  stdout.write("Enter the length : ");  double sideLength = double.*parse*(stdin.readLineSync()!);  print("The Area Is ${squareArea(sideLength)}");  }   void rectangle() {  stdout.write("Enter width : ");  double width = double.*parse*(stdin.readLineSync()!);  stdout.write("Enter the height : ");  double height = double.*parse*(stdin.readLineSync()!);  print("The Area Is ${rectangleArea(width, height)}");  }   void triangle() {  stdout.write("Enter the base length : ");  double baseLength = double.*parse*(stdin.readLineSync()!);  stdout.write("Enter the height : ");  double height = double.*parse*(stdin.readLineSync()!);  print("The Area Is ${triangleArea(baseLength, height)}");  } }  class Area {  double circleArea(double radius) {  double pi=3.14159265359;  return pi\*radius\*radius;  }   double squareArea(double sideLength) {  return sideLength\*sideLength;  }   double rectangleArea(double width, double height) {  return width\*height;  }   double triangleArea(double base, double height) {  return 1/2\*(base\*height);  } }  *screenshot of the output* |
| 25. Write a function that returns TRUE if its parameter is divisible by 10 and FALSE otherwise. |
| *Code of the program*  import 'dart:io';  void main() {  stdout.write("Enter the no. : ");  int limit=int.*parse*(stdin.readLineSync()!);  print(check(limit)); } bool check(int num){  if(num%10==0){  return true;  }else{  return false;  } }  *screenshot of the output* |
| 26. Write a program to copy its input to its output, replacing each string of one or more blanks by a single blank. |
| *Code of the program*  stdout.write("Enter a String with multiple Spaces : "); String? str=stdin.readLineSync();  String? result=str!.replaceAll(RegExp(r"\s+")," "); print("Result is $result");  *screenshot of the output* |
| 27. Write a program to print the corresponding Celsius to Fahrenheit table.  Fahrenheit Celsius  32.0 0.0  50.0 10.0  68.0 20.0  86.0 30.0  104.0 40.0  122.0 50.0  140.0 60.0  158.0 70.0  176.0 80.0  194.0 90.0  212.0 100.0  230.0 110.0  248.0 120.0  266.0 130.0  284.0 140.0  302.0 150.0 |
| *Code of the program*  print("Farenheit Celcius table"); print("-----------------------");  for(int i=0;i<=150;){  print("Farenhiet ${(i\*9/5)+32}f - Celcius ${i}c");  i+=10;  }  *screenshot of the output* |
| 28. Write a program that will take the bits in a number and shift them to the left end. For example, 01010110 (binary) would become 11110000 (binary). |
| *Code of the program & screenshot of the output* |