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| Day 3 Morning Assignment | |
| Program-1: | |
| 1.Write the differences between while and do while loop. | |
| A.1.In while the loop condition appears at the start of the loop | 1.In Do while the condition appears at the end of the loop. |
| 2. In while the loop is not executed if the condition is false. | 2.In Do while even if the condition is false the loop is executed at least once. |
| 3.it is an entry controlled loop | 3.it is an exit controlled loop. |
| 4.In While, semicolon is not used at the end. | 4. In Do While, semicolon is used at the end. |
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| Program 2: Write simple C# code from notepad and compile it using csc put the screen shot. | |
| Code: | |
| using System;  namespace CMDExecute  {  internal class Program  {  static void Main(string[] args)  {  Console.WriteLine("Hello World!");  }  }  } | |
| Output: | |
| Program -3: | |
| Create a quiz application with any five questions of your choice and ask your family member to take the quiz. | |
| Code: | |
| using System;  namespace day3program  {  internal class Program  {  static void Main(string[] args)  {    int score=0, ans;  string name;  Console.WriteLine("enter your name");  name = Console.ReadLine();  Console.WriteLine("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  Console.WriteLine("Hi {0},Welcome to quiz by pallavi", name);  Console.WriteLine("Q1.What is National game of USA");  Console.WriteLine("1.Hockey 2.Football 3.cricket 4.Baseball");  ans=Convert.ToInt32(Console.ReadLine());  if (ans == 4)  score += 20;    Console.WriteLine("Q1.What is National game of Australia");  Console.WriteLine("1.Hockey 2.Football 3.cricket 4.Baseball");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 2)  score += 20;  Console.WriteLine("Q1.What is National game of England");  Console.WriteLine("1.Hockey 2.Football 3.cricket 4.Baseball");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 3)  score += 20;  Console.WriteLine("Q1.What is National game of Srilanka");  Console.WriteLine("1.Hockey 2.vollyball 3.cricket 4.Baseball");  ans = Convert.ToInt32(Console.ReadLine());  if (ans == 2)  score += 20;  Console.WriteLine("Q1.What is National game of china");  Console.WriteLine("1.Hockey 2.Football 3.cricket 4.Tabletennis");  ans = Convert.ToInt32(Console.ReadLine());  if (ans ==4)  score += 20;    if (score >= 60)  Console.WriteLine("congratulations {0},you got {1}% in quiz",name,score);  else  Console.WriteLine("sorry {0} you got only {1} % try again",name,score);      }  }    } | |

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| Output: |
| Program 4:WACP to check if entered character is vowel or not using switch case |
| Code: |
| using System;  namespace vowel  {  internal class Program  {  static void Main(string[] args)  {  char ch;  Console.WriteLine("Enter any alphabet: ");  ch = Convert.ToChar(Console.ReadLine());  switch (ch)  {  case 'a':  Console.WriteLine("vowel");  break;  case 'e':  Console.WriteLine("vowel");  break;  case 'i':  Console.WriteLine("vowel");  break;  case 'o':  Console.WriteLine("vowel");  break;  case 'u':  Console.WriteLine("vowel");  break;  case 'A':  Console.WriteLine("vowel");  break;  case 'E':  Console.WriteLine("vowel");  break;  case 'I':  Console.WriteLine("vowel");  break;  case 'O':  Console.WriteLine("vowel");  break;  case 'U':  Console.WriteLine("vowel");  break;  default:  Console.WriteLine("consonant");  break;  }  Console.ReadLine();  }  }  } |
| Output: |
| program 5: WACP to read 5 numbers from user and print sum and average. [ using array ] |
| Code: |
| using System;  namespace arraysumavg  {  internal class Program  {  static void Main(string[] args)  {  int sum = 0;  int[] data = new int[6];  for (int i = 0; i < data.Length; i++)  {  Console.WriteLine("enter number");  data[i] = Convert.ToInt32(Console.ReadLine());  sum = sum + data[i];  }  Console.WriteLine("Total Sum Is {0}" , sum);  Console.WriteLine("Total average Is {0}",sum / data.Length);  }  }  } |
| Output: |
| Program 6: Write the 6 points about arrays discussed in the class. |
| 1.Arrays are collection of single data type |
| 2.Default value of array is zero |
| 3.arrays require sequential memory locations |
| 4.array index starts with zero |
| 5.Array size cannot be increased dynamically |
| 6.Array size= no .of values x size of array |
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| Program 7: WACP to read 4 numbers from user and print the values using foreach loop. |
| Code: |
| using System;  namespace foreachloop  {  internal class Program  {  static void Main(string[] args)  {  int[] data = new int[] { 1, 2, 3, 4, 5, 6, 7 };  foreach (int d in data)  {  Console.WriteLine(d);  }  }  }  }  Output: |
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| Program 8: WACP to initialize an array with 5 values and find sum  using for each loop |
| Code: |
| using System;  namespace sumforeach  {  internal class Program  {  static void Main(string[] args)  {  int sum = 0;  int[] data = new int[] { 1, 2, 3, 4, 5 };  foreach (int d in data)  {    sum = sum + d;    }  Console. WriteLine(sum);  }  }  } |
| Output: |