Assignment 1:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

class Program

{

static void Main(string[] args)

{

Console.Write("Enter your choice : \n1.Min \n2.Max \n3.SQRT \n4.ABS \n5.Round\n");

int ch = int.Parse(Console.ReadLine());

Console.Write("Enter Num 1 : ");

double num1 = double.Parse(Console.ReadLine());

Console.Write("Enter Num 2 : ");

int num2 = int.Parse(Console.ReadLine());

switch (ch)

{

case 1:

Console.Write("Min : " + Math.Min(num1, num2));

break;

case 2:

Console.Write("Min : " + Math.Max(num1, num2));

break;

case 3:

Console.Write("Sqare : " + Math.Sqrt(num1));

break;

case 4:

Console.Write("ABS : " + Math.Abs(num1));

break;

case 5:

Console.Write("Round : " + Math.Round(num1));

break;

}

Console.ReadKey();

}

}

}

Assignment 2:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace @class

{

class student

{

int groll, gper, gtot;

string gname, gcity, gbranch;

public void input(int nroll, string nname, string ncity, string nbranch, int ntotal, int npercent)

{

groll = nroll;

gname = nname;

gcity = ncity;

gbranch = nbranch;

gtot = ntotal;

gper = npercent;

display();

}

public void display()

{

if (gper > 60 && gbranch == "CSE" && gtot > 150)

{

Console.WriteLine("\nRoll " + groll +

"\nName : " + gname +

"\nCity : " + gcity +

"\nBranch : " + gbranch +

"\nTotal : " + gtot +

"\nPercent : " + gper

);

}

else

{

Console.WriteLine("Re-addmission");

}

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Roll : ");

int roll = int.Parse(Console.ReadLine());

Console.Write("Name : ");

string name = Console.ReadLine();

Console.Write("City : ");

string city = Console.ReadLine();

Console.Write("Branch : ");

string branch = Console.ReadLine();

Console.Write("Total : ");

int total = int.Parse(Console.ReadLine());

Console.Write("Percent : ");

int per = int.Parse(Console.ReadLine());

student p1 = new student();

p1.input(roll, name, city, branch, total, per);

Console.ReadLine();

}

}

}

Assignment 3.1:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

class b\_info

{

public void basicinfo(string b\_name, string b\_city, string b\_email, string b\_mobile, string b\_state, string b\_country)

{

Console.WriteLine("\nName : " + b\_name +

"\nCity : " + b\_city +

"\nEmail : " + b\_email +

"\nMobile No : " + b\_mobile +

"\nState : " + b\_state +

"\nCountry : " + b\_country

);

}

}

class qualification

{

public void quali(string q\_col, string q\_sem, string q\_branch, string q\_address)

{

Console.WriteLine("\nCollege : " + q\_col +

"\nSem : " + q\_sem +

"\nBranch : " + q\_branch +

"\nAddress : " + q\_address

);

}

}

class exprence

{

public void exp(string e\_comp, string e\_dest, string e\_sal, string e\_joining)

{

Console.WriteLine("\nCompnay : " + e\_comp +

"\nDesignation : " + e\_dest +

"\nSalary : " + e\_sal +

"\nJoining : " + e\_joining

);

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Enter Name : ");

string name = Console.ReadLine();

Console.Write("Enter City : ");

string city = Console.ReadLine();

Console.Write("Enter Email : ");

string email = Console.ReadLine();

Console.Write("Enter Mobile No. : ");

string mobile = Console.ReadLine();

Console.Write("Enter State : ");

string state = Console.ReadLine();

Console.Write("Enter Country : ");

string country = Console.ReadLine();

Console.Write("Enter College : ");

string college = Console.ReadLine();

Console.Write("Enter Sem : ");

string sem = Console.ReadLine();

Console.Write("Enter Branch : ");

string branch = Console.ReadLine();

Console.Write("Enter Address : ");

string address = Console.ReadLine();

Console.Write("Enter Compnay : ");

string comp = Console.ReadLine();

Console.Write("Enter Designation : ");

string dest = Console.ReadLine();

Console.Write("Enter Salary : ");

string salary = Console.ReadLine();

Console.Write("Enter Joining : ");

string joining = Console.ReadLine();

b\_info b = new b\_info();

b.basicinfo(name, city, email, mobile, state, country);

qualification q = new qualification();

q.quali(college, dest, salary, joining);

exprence e = new exprence();

e.exp(comp, dest, salary, joining);

Console.ReadKey();

}

}

}

Assignment 3.2:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

class info

{

public string g\_name, g\_city, g\_col, g\_branch;

public int g\_per;

public void input(string i\_name, string i\_city, string i\_col, string i\_branch, int i\_per)

{

g\_name = i\_name;

g\_city = i\_city;

g\_col = i\_col;

g\_branch = i\_branch;

g\_per = i\_per;

}

}

class grade : info

{

public void display()

{

Console.WriteLine("\n\nName : " + g\_name +

"\nCity : " + g\_city +

"\nCollege : " + g\_col +

"\nBranch : " + g\_branch +

"\nPercentage : " + g\_per

);

if (g\_per > 60)

{

Console.WriteLine("Grade A");

}

else if (g\_per > 50 && g\_per < 60)

{

Console.WriteLine("Grade B");

}

else if (g\_per > 40 && g\_per < 50)

{

Console.WriteLine("Grade C");

}

else

{

Console.WriteLine("Fail");

}

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Enter Name : ");

string name = Console.ReadLine();

Console.Write("Enter City : ");

string city = Console.ReadLine();

Console.Write("Enter College : ");

string college = Console.ReadLine();

Console.Write("Enter Branch : ");

string branch = Console.ReadLine();

Console.Write("Enter Percentage : ");

int percent = int.Parse(Console.ReadLine());

grade g = new grade();

g.input(name, city, college, branch, percent);

g.display();

Console.ReadKey();

}

}

}

Assignment 3.3:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

class info

{

public string g\_name, g\_sub, g\_col, g\_branch;

public void input(string i\_name, string i\_col, string i\_sub, string i\_branch)

{

g\_name = i\_name;

g\_sub = i\_sub;

g\_col = i\_col;

g\_branch = i\_branch;

}

}

class grade : info

{

public int g\_per;

public void cal\_grade(int c\_per)

{

Console.WriteLine();

g\_per = c\_per;

if (c\_per > 60)

{

Console.WriteLine("Grade A");

}

else if (c\_per > 50 && c\_per < 60)

{

Console.WriteLine("Grade B");

}

else if (c\_per > 40 && c\_per < 50)

{

Console.WriteLine("Grade C");

}

else

{

Console.WriteLine("Fail");

}

}

}

class outinfo : grade

{

public void display()

{

Console.WriteLine("\n\nName : " + g\_name +

"\nCollege : " + g\_col +

"\nSubject : " + g\_sub +

"\nBranch : " + g\_branch +

"\nPercentage : " + g\_per

);

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Enter Name : ");

string name = Console.ReadLine();

Console.Write("Enter College : ");

string college = Console.ReadLine();

Console.Write("Enter Subject : ");

string sub = Console.ReadLine();

Console.Write("Enter Branch : ");

string branch = Console.ReadLine();

Console.Write("Enter Percentage : ");

int percent = int.Parse(Console.ReadLine());

outinfo o1 = new outinfo();

o1.input(name, college, sub, branch);

o1.cal\_grade(percent);

o1.display();

Console.ReadKey();

}

}

}

Assignment 4:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

class College

{

public int p\_col\_id;

public string p\_name, p\_principal, p\_city, p\_state;

public void input(int c\_col\_id, string c\_name, string c\_principal, string c\_city, string c\_state)

{

p\_col\_id = c\_col\_id;

p\_name = c\_name;

p\_principal = c\_principal;

p\_city = c\_city;

p\_state = c\_state;

}

}

class student : College

{

public int p\_roll, p\_m1, p\_m2, p\_m3, p\_m4, p\_m5, p\_total;

public string p\_name1, p\_branch, p\_sub;

public void data\_input(int s\_roll, string s\_name, string s\_branch, string s\_sub, int s\_m1, int s\_m2, int s\_m3, int s\_m4, int s\_m5)

{

p\_roll = s\_roll;

p\_name1 = s\_name;

p\_branch = s\_branch;

p\_sub = s\_branch;

p\_m1 = s\_m1;

p\_m2 = s\_m2;

p\_m3 = s\_m3;

p\_m4 = s\_m4;

p\_m5 = s\_m5;

p\_total = s\_m1 + s\_m2 + s\_m3 + s\_m4 + s\_m5;

}

}

class admission : student

{

public void display()

{

Console.WriteLine("\nCollege ID : " + p\_col\_id +

"\nName : " + p\_name +

"\nPrincipal Name : " + p\_principal +

"\nCity : " + p\_city +

"\nState : " + p\_state +

"\nRoll No : " + p\_roll +

"\nName : " + p\_name1 +

"\nBranch : " + p\_branch +

"\nSubject : " + p\_branch +

"\nMark 1 : " + p\_m1 +

"\nMark 2 : " + p\_m2 +

"\nMark 3 : " + p\_m3 +

"\nMark 4 : " + p\_m4 +

"\nMark 5 : " + p\_m5

);

if (p\_total > 250)

{

Console.WriteLine("Grade A");

}

else if (p\_total > 150 && p\_total < 250)

{

Console.WriteLine("Grade B");

}

else if (p\_total > 100 && p\_total < 150)

{

Console.WriteLine("Grade C");

}

else

{

Console.WriteLine("Fail");

}

}

}

class Program

{

static void Main(string[] args)

{

admission a1 = new admission();

Console.Write("Enter College ID : ");

int Col\_id = int.Parse(Console.ReadLine());

Console.Write("Enter Name : ");

string name = Console.ReadLine();

Console.Write("Enter Principal Name : ");

string principal = Console.ReadLine();

Console.Write("Enter City : ");

string city = Console.ReadLine();

Console.Write("Enter State : ");

string state = Console.ReadLine();

Console.Write("Enter Roll No : ");

int roll\_no = int.Parse(Console.ReadLine());

Console.Write("Enter Name : ");

string name1 = Console.ReadLine();

Console.Write("Enter Branch : ");

string brach = Console.ReadLine();

Console.Write("Enter Subject : ");

string sub = Console.ReadLine();

Console.Write("Enter mark 1 : ");

int mark1 = int.Parse(Console.ReadLine());

Console.Write("Enter mark 2 : ");

int mark2 = int.Parse(Console.ReadLine());

Console.Write("Enter mark 3 : ");

int mark3 = int.Parse(Console.ReadLine());

Console.Write("Enter mark4 : ");

int mark4 = int.Parse(Console.ReadLine());

Console.Write("Enter mark 5 : ");

int mark5 = int.Parse(Console.ReadLine());

a1.input(Col\_id, name, principal, city, state);

a1.data\_input(roll\_no, name1, brach, sub, mark1, mark2, mark3, mark4, mark5);

a1.display();

Console.ReadKey();

}

}

}

Assignment 5:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

abstract class compnay

{

public int g\_salary;

public void salary(int n\_sal)

{

g\_salary = n\_sal;

}

}

class employee : compnay

{

public void performance()

{

if (g\_salary > 3000)

{

Console.WriteLine("Grade A");

}

else if (g\_salary > 2000 && g\_salary < 3000)

{

Console.WriteLine("Grade B");

}

else

{

Console.WriteLine("New Joining");

}

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Salary : ");

int sal = int.Parse(Console.ReadLine());

employee e1 = new employee();

e1.salary(sal);

e1.performance();

Console.ReadKey();

}

}

}

Assignment 6:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace day\_10\_Assignment

{

sealed class compnay

{

public int g\_salary;

public void salary(int n\_sal)

{

g\_salary = n\_sal;

}

}

class employee

{

public void performance(int g\_salary)

{

if (g\_salary > 3000)

{

Console.WriteLine("Grade A");

}

else if (g\_salary > 2000 && g\_salary < 3000)

{

Console.WriteLine("Grade B");

}

else

{

Console.WriteLine("New Joining");

}

}

}

class Program

{

static void Main(string[] args)

{

Console.Write("Salary : ");

int sal = int.Parse(Console.ReadLine());

employee e1 = new employee();

compnay c1 = new compnay();

c1.salary(sal);

e1.performance(sal);

Console.ReadKey();

}

}

}