**JOSHUA ETUK           19/SCI01/095**

**QUESTION 1**

#include <stdio.h>

int main()

{

int y;

printf("enter the year:\n");

scanf("%d",&y);

if (y%4==0)

printf("This is a leap year;%d",y);

else if (y % 100==0)

printf("This is not a leap year:%d",y);

else if (y % 400==0)

printf("This is a leap year;%d",y)

else

printf("This is not a leap year");

return 0;

}

**QUESTION 2**

#include <stdio.h>

int main()

{

int a,b,c;

printf("enter the first number\n");

scanf("%d",&a);

printf("enter the second number\n");

scanf("%d",&b);

printf("enter the third number \n");

scanf("%d",&c);

if (a>b&&a>c)

{

printf("the biggest number is : %d",b);

}

else(

printf{"the biggest number is : %d",c};

}

}

**QUESTION 3**

#include <studio.h>

#include <stdlib.h>

#include <string.h>

int main ()

{

char str[100],ch;

int I, grade [7];

float credit [7], GPA =0.0, totCredit =0.0

printf("Letter Grade and credits for each subject\n);

for (i=0; i<7; i++)

{

printf("subject %d(Grade\Credit);",i+1);

ch = getchar()

grade[i] = ch;

scanf("%f", &credit[i]);

getchar();

}

printf("\nSubject |Grade | Credit\n");

for (i=0; i<7;i++)

{

printf(" %d | %c | %.0f\n", i + 1, grade[i], credit[i]);

}

/\*For GPA value\*/

for (i=0; i<7;i++)

{

switch (grade [i]){

case 'A'

gpa= gpa + 5\*credit[i];

totCredit = totCredit + credit[i];

break;

case 'B'

gpa = gpa + 4 \* credit[i];

totCredit = totCredit + credit[i];

break;

case 'C'

gpa = gpa + 3 \* credit[i];

totCredit = totCredit + credit[i];

break;

case 'D'

gpa = gpa + 2 \* credit[i];

totCredit = totCredit + credit[i];

break;

case 'D'

gpa = gpa + 2 \* credit[i];

totCredit = totCredit + credit[i];

break;

case 'E'

gpa = gpa + 1 \* credit[i];

totCredit = totCredit + credit[i];

break;

case 'F'

gpa = gpa + 0 \* credit[i];

totCredit = totCredit + credit[i];

break;

default:

printf("Given Wrong grade !!\n);

exit(0);

}

}

printf("GPA:%f\credit; %f\n", gpa, totCredit);

gpa = gpa /totCredit;

printf("GPA for your score; %.2f\n", gpa);

return 0;

}