**QUESTION\_1**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

printf("Enter number:-");

scanf("%d",&a);

if(a%3==0 && a%2==0)

printf("The entered number is divisible by 3 and 2");

else

printf("Entered number is not divisible by 3 and 2");

getch();

return 0;

}

**QUESTION\_2**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

printf("Enter a number");

scanf("%d",&a);

if(a%3==0 || a%7==0)

{

printf("Entered number is either divisible by 7 or 3");

}

else

printf("Entered number is niether divisible by 7 nor by 3");

getch();

return 0;

}

**QUESTION\_3**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

printf("Enter number:-");

scanf("%d",&a);

if(a>0)

{

printf("Entered number is positive");

}

else if(a<0)

{

printf("Entered number is negative");

}

else if(a==0)

{

printf("Entered number is zero");

}

getch();

return 0;

}

**QUESTION\_4**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

printf("Enter year:-");

scanf("%d",&a);

if(a%4==0)

{

printf("Entered year is a leap year");

}

else

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

getch();

return 0;

}

**QUESTION\_5**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c;

printf("Enter three number ");

scanf("%d %d %d",&a,&b,&c);

if(a>b && a>c)

{

printf("%d is the greatest among all three numbers",a);

}

else if(b>c && b>a)

{

printf("%d is the greatest among all three numbers",b);

}

else if(c>a && c>b)

{

printf("%d is the greatest among all three numbers",c);

}

else if(a=b && b>c)

{

printf("%d is the greatest among all three numbers",b);

}

else if(b=c && c>a)

{

printf("%d is the greatest among all three numbers",c);

}

else if(c=a && a>b)

{

printf("%d is the greatest among all three numbers",a);

}

getch();

return 0;

}

**QUESTION\_6**

#include<stdio.h>

#include<conio.h>

int main()

{

char a;

printf("INPUT:-");

scanf("%c",&a);

int b;

b=a;

if(a>=65 && a<=90)

{

printf("Your input is a upper cased letter");

}

else if(a>=97 && a<=122)

{

printf("Your input is a lower cased letter");

}

else

{

printf("Your input is a digit or special character");

}

getch();

return 0;

}

**QUESTION\_7**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c;

printf("Enter the length of the sides of the Triangle");

scanf("%d %d %d",&a,&b,&c);

if(a+b>c)

{

printf("Triangle is valid");

}

else

printf("Triangle is invalid");

getch();

return 0;

}

**QUESTION\_8**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

printf("Enter the month number");

scanf("%d",&a);

if(a>=1 && a<=7)

{

if(a==2)

{

printf("Number of days are 28");

}

else if(a%2==0)

{

printf("Number of days are 30");

}

else

printf("Number of days are 31");

}

else if(a>=8 && a<=12)

{

if(a%2==0)

{

printf("Number of days are 31");

}

else

printf("Number of days are 30");

}

getch();

return 0;

}

**QUESTION\_9**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c;

printf("Enter the coefficient of a\n");

scanf("%d",&a);

printf("Enter the coefficient of b\n");

scanf("%d",&b);

printf("Enter the coefficient of c\n");

scanf("%d",&c);

float D;

D=(b\*b)-(4\*a\*c);

if(D>0)

{

printf("Roots are real and distinct");

}

else if(D<0)

{

printf("Roots are imaginary");

}

else

printf("Roots are real and equal");

getch();

return 0;

}

**QUESTION\_10**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b,c,d,e;

printf("Enter the marks in Physics:- ");

scanf("%d",&a);

printf("Enter the marks in Chemistry:- ");

scanf("%d",&b);

printf("Enter the marks in Biology:- ");

scanf("%d",&c);

printf("Enter the marks in Mathematics:- ");

scanf("%d",&d);

printf("Enter the marks in Computer:- ");

scanf("%d",&e);

float P;

P=(a+b+c+d+e)/5;

char v;

v='%';

printf("%f%c is the percentage\n",P,v);

if(P>=90)

{

printf("Grade A");

}

else if(P>=80)

{

printf("Grade B");

}

else if(P>=70)

{

printf("Grade C");

}

else if(P>=60)

{

printf("Grade D");

}

else if(P>=40)

{

printf("Grade E");

}

else if(P<40)

{

printf("Grade F");

}

getch();

return 0;

}