1. **THE GREATEST OF 2 NUMBERS:**

#include <stdio.h>

int main()

{

int a,b;

printf("enter two numbers");

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

if(a>b)

printf("the greatest no is %d",a);

else

printf("the greatest no is %d",b);

}

**2)ENTERED VALUE IS NUMBER OR CHARACTER:**

#include <stdio.h>

int main()

{

char a;

printf("enter a");

scanf("%c",&a);

if(a>='a'&&a<='z'||a>='A'&&a<='Z')

{

printf("alphabets");

}

else

printf("numbers");

}

**3)CHARACTER IS A VOWEL OR NOT:**

**#include <stdio.h>**

**int main()**

**{**

**char X ;**

**printf("enter the a");**

**scanf("%c",&X);**

**if(X== 'a')**

**printf("a is a vowel");**

**else if(X=='e')**

**printf("a is a vowel");**

**else if(X=='i')**

**printf("a is a vowel");**

**else if(X=='o')**

**printf("a is a vowel");**

**else if(X=='u')**

**printf("X is a vowel");**

**else**

**printf("X is not a vowel");**

**}**

**4) WITHDRAW A CERTAIN AMOUNT:**

**#include <stdio.h>**

**#include <stdlib.h>**

**int main()**

**{**

**int amount,balance=10000;**

**printf("enter the amount");**

**scanf("%d",&amount);**

**if (amount<=balance)**

**printf("you can withdraw the amount");**

**else**

**printf("you cannot withdraw the amount");**

**}**

**5) calculator using program:**

**#include <stdio.h>**

**int main()**

**{**

**char op;int a,b,c;**

**printf("enter the operation you want to preform");**

**scanf("%c",&op);**

**printf("enter the value of 2 numbers");**

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

**switch(op)**

**{**

**case '+':**

**{**

**c=a+b;**

**printf("the value of c is %d",c) ;**

**break;**

**}**

**case '-':**

**{**

**c=a-b;**

**printf("the value of c is %d",c) ;**

**break;**

**}**

**case '\*':**

**{**

**c=a\*b;**

**printf("the value of c is %d",c) ;**

**break;**

**}**

**case '/':**

**{**

**c=a/b;**

**printf("the value of c is %d",c) ;**

**break;**

**}**

**default:**

**printf("none of the option is excuted");**

**}**

**}**

**6.) THE GREATEST OF 3 NUMBERS:**

#include <stdio.h>

int main()

{

int a,b,c;

printf("enter the three numbers");

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

if (a>b&&a>c)

printf("a is the greatest number %d",a);

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

printf("a is the greatest number %d",b);

else

printf("a is the greatest number %d",c);

}

**7)ODD OR EVEN:**

**#include <stdio.h>**

**int main()**

**{**

**int a;**

**printf("enter the value of a");**

**scanf("%d",&a);**

**if(a%2==0)**

**printf("the given number is even %d",a);**

**else**

**printf("the given number is odd %d",a);**

**}**

**8) LEAP YEAR OR NOT:**

**#include <stdio.h>**

**int main()**

**{**

**int a;**

**printf("enter the year a");**

**scanf("%d",&a);**

**if(a%4==0)**

**printf("the year is the leap year ");**

**else**

**printf("the year is the not leap year”);**

**}**

**9) STUDENT INFORMATION:**

**#include <stdio.h>**

**#include <stdlib.h>**

**int main()**

**{**

**int rollno,s1,s2,s3,s4,s5,total;float average;char name[46];**

**printf("enter your name and roll no");**

**scanf("%s %d",name,&rollno);**

**printf("enter the 5 subject marks");**

**scanf("%d %d %d %d %d",&s1,&s2,&s3,&s4,&s5);**

**total=s1+s2+s3+s4+s5;**

**printf(" the total marks :%d \n",total);**

**average=(s1+s2+s3+s4+s5)/5;**

**printf("the average is %f \n",average);**

**if(total>=450)**

**printf("the grade is a");**

**else if(total>=400)**

**printf("the grade is b");**

**else if(total>=350)**

**printf("the grade is c");**

**else if(total>=300)**

**printf("the grade is d");**

**else if(total>=350)**

**printf("the grade is e");**

**else**

**printf("the grade is f");**

**}**

**10) AGE FOR VOTING:**

**#include <stdio.h>**

**#include <stdlib.h>**

**int main()**

**{**

**int a;**

**printf("enter your age a:");**

**scanf("%d",&a);**

**if(a>=18)**

**printf("eligible for voting %d",a);**

**else**

**printf(" not eligible for voting %d",a);**

**}**