//1

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(a>0)

    printf("positive");

    else

    printf("non positive");

    return 0;

}

//2

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(a%5==5)

    printf("\ndivisible by 5");

    else

    printf("\nnot divisible");

    return 0;

}

//3

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(a%2==0)

    printf("\neven");

    else

    printf("\nodd");

    return 0;

}

//4

#include<stdio.h>

int main()

{

    int a;

}

//5

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(100<=a&&a<=999)

    {printf("\nThree digit");}

    else

    {printf("Not three digit");}

    return 0;

}

//6

#include<stdio.h>

int main()

{

    int a,b;

    scanf("%d%d",&a,&b);

    if(a>b)

    printf("\n%d",a);

    else

    printf("%d\n",b);

    return 0;

}

//7

#include<stdio.h>

int main()

{

int a,b,c,d;

printf("Enter a,b,c:");

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

d=b\*b-4\*a\*c;

if(d>0)

printf("Roots are real and distinct");

else if(d==0)

printf("Roots are real and equal");

else

printf("roots are imaginary");

return 0;

}

//8

#include<stdio.h>

int main()

{

    int y;

    scanf("%d",&y);

    if((y%4==0)&&(y%100==0)&&(y%400==0))

    printf("leap year");

    else

    printf("normal year");

    return 0;

}

//9

//10

#include<stdio.h>

int main()

{

float cp,sp;

printf("Enter cost price and selling price:");

scanf("%f%f",&cp,&sp);

if(sp>cp)

printf("Profit percent:%f",((sp-cp)/cp\*100));

else

printf("loss percent:%f",((cp-sp)/cp\*100));

return 0;

}

//11

#include<stdio.h>

int main()

{

int a,b,c,d,e;

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

if((33<=a&&a<=100)&&(33<=b&&b<=100)&&(33<=c&&c<=100)&&(33<=d&&d<=100)&&(33<=e&&e<=100))

printf("Passed");

else if((a>100)||(b>100)||(c>100)||(d>100)||(e>100))

printf("max marks 100");

else

printf("failed");

return 0;

}

//12

#include<stdio.h>

int main()

{

    char ch;

    scanf("%c",&ch);

    if('A'<=ch&&ch<='Z')

    printf("Uppercase");

    else if('a'<=ch&&ch<='z')

    printf("lowercase");

    else

    printf("Another character");

    return 0;

}

//13

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(a%6==0)

    printf("Divisible by 2 and 3");

    else

    printf("enter again");

    return 0;

}

//14

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if((a%3==0)||(a%7==0))

    printf("Divisible by 3 or 7");

    else

    printf("enter again");

    return 0;

}

//15

#include<stdio.h>

int main()

{

    int a;

    scanf("%d",&a);

    if(a>0)

    printf("positive");

    else if(a==0)

    printf("zero");

    else

    printf("negative");

    return 0;

}

//16

#include<stdio.h>

int main()

{

    char ch;

    scanf("%c",&ch);

    if('A'<=ch&&ch<='Z')

    printf("Uppercase");

    else if('a'<=ch&&ch<='z')

    printf("lowercase");

    else

    printf("Another character");

    return 0;

}

//17

#include<stdio.h>

int main()

{

    int a,b,c;

    scanf("%d%d%d",&a,&b,&c);

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

    printf("triangle is valid");

    else

    printf("not valid");

    return 0;

}

//18

#include<stdio.h>

int main()

{

    int m;

    scanf("%d",&m);

    if((m==1)||(m==3)||(m==5)||(m==7)||(m==8)||(m==10)||(m==12))

    printf("31 days");

    else if((m==4)||(m==6)||(m==9)||(m==11))

    printf("30 days");

    else if(m==2)

    printf("28 days");

    else

    printf("Enter again");

    return 0;

}