

Assignment-3

1. `#include<stdio.h>`

```
int main()
{
    int n;
    scanf("%d",&n);
    (n>0)?printf("positive"):printf("negative");
    return 0;
}
```

2. `#include<stdio.h>`

```
int main()
{
    int n,r;
    scanf("%d",&n);
    (n%5==0)?printf("divisible"):printf("not divisible");
    return 0;
}
```

3.

`#include<stdio.h>`

```
int main()
{
    int n ;
    scanf("%d",&n);
    (n%2==0)?printf("even"):printf("odd");
    return 0;
}
```

4. `#include<stdio.h>`

```
int main()
{
    int n;
    scanf("%d",&n);
    int r=n&1;
    (r==1)?printf("odd"):printf("even");
}
```

```
    return 0;
}
```

5. `#include<stdio.h>`

```
int main()
{
    int n;
    scanf("%d",&n);
    (n>99 && n<=999)?printf("3 digit"):printf("not 3 digit");
    return 0;
}
```

6. `#include<stdio.h>`

```
int main()
{
    int a,b;
    scanf("%d%d",&a,&b);
    (a>b || a==b)?printf("%d",a):printf("%d",b);
    return 0;
}
```

7. `#include<stdio.h>`

```
int main()
{
    int a,b,c;
    scanf("%d%d%d",&a,&b,&c);
    if(((b*b)-(4*a*c))==0)
        printf("real and equal");
    else if(((b*b)-(4*a*c))>0)
        printf("real and distinct");
    else if(((b*b)-(4*a*c))<0)
        printf("imaginary");
    return 0;
}
```

8. `#include<stdio.h>`

```

int main()
{
    int y;
    scanf("%d",&y);
    (y%4==0)?printf("leap year"):printf("not leap year");
    return 0;
}

```

9. #include<stdio.h>

#include<conio.h>

```

int main()
{
    int a,b,c;
    scanf("%d%d%d",&a,&b,&c);
    if(a>b &&a>c)
        printf("%d",a);
    else if(b>c)
        printf("%d",b);
    else
        printf("%d",c);
    return 0;
}

```

10. #include<stdio.h>

```

int main()
{
    int cp,sp;
    scanf("%d%d",&cp,&sp);
    if(cp>=sp)
        printf("loss=%.2f%%",(cp-sp)/100.0*cp);
    else
        printf("profit=%.2f%%",(sp-cp)/100.0*cp);
    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(a>=33 && b>=33 && c>=33 && d>=33 && e>=33)
printf("passed");
else
printf("failed");

return 0;
}
```

12. #include<stdio.h>

```
int main()
{
    char c;
    scanf("%c",&c);
    if(65<=c && c<=90)
    printf("uppercase");
    else
    printf("lowercase");

    return 0;
}
```

13. #include<stdio.h>

```
int main()
{
    int n;
    if(n%6==0)
    printf("dividible by 2 and 3");
    else
    printf("not dividible by 2 and 3");

    return 0;
}
```

14. #include<stdio.h>

```
int main()
{
    int n;
```

```
scanf("%d",&n);  
if(n%7==0)  
printf("divisible by 7");  
else if(n%3==0)  
printf("divisible by 3");  
return 0;  
}
```