

Assignment 3

1- #include <stdio.h>

int main()

{

 int x;

 printf("Enter a Number \n");
 scanf("%d", &x);

 if (x > 0)

 printf("Positive");

 else

 printf("Non-Positive");

}

2- #include <stdio.h>

int main()

{

 int x;

 printf("Enter a Number \n");

 scanf("%d", &x);

 if (x % 5 == 0)

 printf("Divisible by 5");

 else

 printf("Not-Divisible by 5");

}

3- #include <stdio.h>
int main()

{

 int x;
 printf(" Enter a number");
 scanf("%d", &x);
 if (x%2 == 0)
 printf(" Even Number");
 else
 printf(" Odd Number");

}

4- #include <stdio.h>
int main()

{

 int x;
 printf(" Enter a number \n");
 scanf("%d", &x);
 if ((x % 2) == 0)
 printf(" Even");
 else
 printf(" odd");

5- #include <stdio.h>

int main()

{ int x, y;

printf("Enter a number \n");

scanf("%d", &x);

y = printf("%d", x);

printf("\n");

if (y == 3)

printf("Three digit Number");

else

printf("Not a Three digit Number");

}

6- #include <stdio.h>

int main()

{

int x, y;

printf("Enter two numbers");

scanf("%d %d", &x, &y);

if (x >= y)

printf("%d is greater", x);

else

printf("%d is greater", y);

}

8- #include <stdio.h>

int main()

5

int x ;

printf("Enter the year Number \n");
scanf("%d", &x);

if (x % 400 == 0)

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

else if (x % 100 == 0)

printf("%d is not a leap year", x);

else if (x % 4 == 0)

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

else

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

3

9 #include <stdio.h>

int main()

5

int x, y, z ;

printf("Enter three Numbers \n");
scanf("%d %d %d", &x, &y, &z);

if (x >= y && x >= z)

printf("%d is greater", x);

else if (y >= z)

printf("%d is greater", y);

else

printf("%d is greater", z);

10. #include <stdio.h>

int main()

{

double ~~s~~ s, c, p, pf, l, lp;

printf ("Enter Cost Price and Selling Price \n");

scanf ("%d %d", &c,

scanf ("%lf %lf", &c, &s));

if (s > c)

{

p = s - c;

pf = ((p * 100) / c);

printf ("Profit Percentage = %.lf", pf);

}

else

{

l = c - s;

lp = ((l * 100) / c);

printf ("Loss Percentage = %.lf", lp);

}

}

11. #include <stdio.h>

int main()

{

int m1, m2, m3, m4, m5;

printf ("Enter marks of 5 Subjects out of 100 \n");

scanf ("%d %d %d %d %d", &m1, &m2, &m3, &m4, &m5);

if (m1 >= 33 & m2 >= 33 & m3 >= 33 & m4 >= 33 & m5 >= 33)

printf ("Passed");

```
else  
    printf(" failed");
```

12. # include<stdio.h>
int main()

```
{  
char ch;  
printf("Enter a Alphabet");  
scanf("%c", &ch);  
if (ch >= 'A' && ch <= 'Z')  
    printf(" Upper Case");  
else  
    printf(" Lower Case");
```

13. # include<stdio.h>
int main()

```
{  
int x;  
printf("Enter a number\n");  
scanf("%d", &x);  
if (x % 3 == 0 && x % 2 == 0)  
    printf(" Divisible by 3 and 2");  
else  
    printf(" Not divisible by 3 and 2");
```

14. #include <stdio.h>

int main()

{

 int x;

 printf("Enter a Number \n");

 scanf("%d", &x);

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

 printf("Divisible");

 else

 printf("Not Divisible");

}

15. #include <stdio.h>

int main()

{

 int x;

 printf("Enter a Number \n");

 scanf("%d", &x);

 if (x == 0)

 printf("Zero");

 else if (x > 0)

 printf("Positive");

 else

 printf("Negative");

3

16 #include <stdio.h>

int main()

{

char ch ;

printf("Enter a character Value \n");

scanf("%c", &ch);

if (ch >= '0' && ch <= '9')

printf("Digit");

else if (ch >= 'A' && ch <= 'Z')

printf("Upper-Case");

else if (ch >= 'a' && ch <= 'z')

printf("Lower-Case");

else

printf("Special character");

}

17 #include <stdio.h>

int main()

{

int s1, s2, s3;

printf("Enter length of triangle");

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

if (s1 + s2 > s3 && s2 + s3 > s1 && s3 + s1 > s2)

printf("Valid Triangle");

else

printf("Not a Valid Triangle");

}

18. #include <stdio.h>

int main()

{

int m ;

printf (" Enter a Month Number");

scanf ("%d", &m);

if (m == 2)

printf (" 28 Days");

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

printf (" 31 Days");

else

printf (" 30 Days");

3