**Assignment 2**

1. Display This Information using print a. Your Name b. Your Birth date c. Your Age d. Your Address c. Your Contact.

Ans : void main() {

var name;

var address;

var date;

int contact;

print("enter your name : asish nehra");

print("enter your address : bhestan ");

print(" birth date : 15/ 03/ 2001 ");

print("contact no : 875645422");

}

2. Write a program to make an addition, Subtraction, Multiplication, and Division of Two Numbers.

Ans :

void main() {

int a = 25, b = 15;

// addition of two digit

var c = a + b;

print(" the addition of a and b is $c ");

// subratcion of two digit

var d = a - b;

print("the subraction of a and b is $d");

// multiplication of two variable

var e = a \* b;

print("the product of a and b is $e ");

// mod of two variable

var f = a / b;

print("the remeinder of a and b is $f");

}

3. Write a program to make a square and cube of numbers

Ans .

4. Write a program to find the Area of the Circle

Ans

void main(){

int r=10 ;

double pie = 3.14 ; var area = 2\*pie\*r;

print (area);

}

.

5. Write a program to find the Area of the Triangle.

Ans

void main(){

int r=10 ,h = 5;

double pie = 3.14 ;

var area = pie\*r\*h;

print (area);

}

6. Write a program to find the simple Interest.

Ans

void main(){

int p=10000 ,r = 5, n= 1;

double pie = 3.14 ;

var si = p\*r\*n/100;

print (si);

}

7. Write a program to convert temperature from degree centigrade to Fahrenheit

.

8. Write a program to calculate the sum of 5 subjects & find the percentage. Subject marks entered by the user.

Ans

9. Write a Program to show a swap of two No's without using a third variable.

Ans void main(){

var a =1 ,b=2;

var temp;

print("before swapping ");

print (" a=$a b=$b");

//swap

temp=a ;

a=b;

b=temp;

print ("after swapping ");

print("a=$a b=$b");

}

10. Write a Program to check whether the given number is Positive, Negative;

Ans

void main(){

int a = 101 ;

if (a>= 1 )

{

print("the no is positive");

}else { print

("the no is negative");

} }

. 11. Write a Program to check whether the given year is a leap year or not.

Ans:

void main(){

int num = 2024 ;

if ( num % 4 == 0 )

{

print("this year is leap year");

}else { print

("this year is not leap year");

} }

12. Write a Program to check whether the given number is prime or not.

Ans

void main(){

int a = 36 ;

if (2%== 0 )

{

print("this is not prime number");

}else { print

("this is prime number");

} }

13. Write a program to find the Max number from the given three numbers using Nested If

Ans

void main()

{

int a = 15;

int b = 13;

int c = 50 ;

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

print("a is greater ");

}

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

print("b is greater ");

}

else

print(" c is greater ");

}

.

14. Write a program to find the Max number from the given three numbers using Ternary Operator.

Ans

15. Write a program to find the Min number from the given three numbers using Nested If

Ans:

void main()

{

int a = 15;

int b = 13;

int c = 50 ;

if ((a<b)&&(a<c)){

print("a is smaller ");

}

else if ((b<a)&&(b<c)){

print("b is smaller ");

}

else

print(" c is smaller ");

}

16. Write a program user enter the five subjects mark. You have to make a total and find the percentage. percentage > 75, You have to print “distinction”, percentage > 60 and percentage <= 75, You have to print “First class”, percentage >50 and percentage <= 60, You have to print “Second class”, percentage > 35 and percentage <= 50, you have to print “Pass Class”, Otherwise, print “You fail ”.

Ans:

void main() {

int i= 45 ;

if (i > 100 || i < 0) {

print("\n Your Input is out of Range");

} else if (i >= 80) {

print("\n You got Distinction");

} else if (i >= 60) {

print("\n You got First Class");

} else if (i >= 40) {

print("\n You got Second Class");

} else {

print("\n You got Fail");

}

}

17. Write Program use switch statement. Display Monday to Sunday

Ans;

void main() {

int day = 6;

switch (day) {

case 1:

print("monday");

break;

case 2:

print("tuesday");

break;

case 3:

print("wednesday ");

break;

case 4:

print("thursday");

break;

case 5:

print("friday");

break;

case 6:

print("saturday");

break;

case 7:

print("sunday");

break;

}

}

18 . Write a Program of Addition, Subtraction, Multiplication, and Division using a Switch case. (Must Be Menu Driven).

void main() {

var equation = 2;

switch (equation) {

case 1:

print("addition of a and b : ");

break;

case 2:

print("subtraction of a and b ");

break;

case 3:

print("multiplication of a and b ");

break;

case 4:

print("divion of a and b ");

break;

default:

print("invalid input");

}

}

19. Write a program to find the Area of a Triangle, Rectangle, and Circle using the If Condition. (Must Be Menu Driven);

Ans.

20. Looping Programs a. Write a program to print the 1 to 10 using For loop

Ans void main() {

int i;

for (i = 1; i <= 10; i++) print(i);

}

. b. Write a Program to print the 51 to 60 using the While loop

Ans . void main() {

int i;

for (i = 51; i <= 80; i++) print(i);

}

c. Write a program to print the 100 to 81 using the do while loop

void main() {

int i;

for (i = 100; i >= 81; i--) print(i);

}

. d . Write a program to find the factorial of the given number.

Ans:

e. Write a program you have to print the Fibonacci series up to the user-given number.

void main() {

int c, n = 1;

int n1 = 2;

c = n + n1;

print(c);

}

F. Write a program you have to print the table of the given number.

Ans:

void main() {

int num = 10;

for (var i = 1; i <= 10; i++) {

**int m = num \* i;**

print('$num \* $i = $m');

}

}

g. Write a program to print the number in reverse order.

Ans : void main() {

int i;

for (i = n2; i >= n1; i--) print(i); \\n1 will be ending point

} \\n2 will be starting point

h . Write a program to find the max from a given number. (e.g. No: -1562 max number is 6 )

Ans;

i. Write a program to make a summation of a given number. (e.g. 1523 ans:-11) j. Write a program to print the addition of first and last digits