MIZANUR RAHMAN

Algorithm

List of Algorithm.....

- Sum in two number
- Subtract in two number
- Multi in two number
- Division in to two number
- Swapping into two number
- Division in two number
- Find maximum and minimum in two number
- Find maximum and minimum in three number
- Find even/odd number
- Print 1 to 6 or 1 to n
- Sum in 1 to n
- Multi in 1 to n
- $1+\mathbf{2^2}+\mathbf{3^2}+\mathbf{4^2}+$.....?
- $1+\mathbf{2^3}+\mathbf{3^3}+\mathbf{4^3}+$.....?
- $1+\mathbf{2^2}+\mathbf{3^3}+\mathbf{4^4}+$.....?
- Multi into two number by add
- Multi into two number by sub
- Division into two number by sub
- Division into two number by add
- Print sum of digit
- Print reverse of digit

- Plamdrome number
- Amostrong number
- Print prime number
- Perfect number

- **Sum in two number**

Step-1. Start

Step-2. Input a,b

Step-3. Sum=a+b

Step-4. Print sum

Step-5. End

- **Subtract in two number**

Step-1. Start

Step-2. Input a,,b

Step-3. Sub=a-b

Step-4. Print sub

Step-5. end

- **Multi in two number**

Step-1. Start

Step-2. Input a,b

Step-3. Mul=a*b

Step-4. Print mul

Step-5. End

- **Division in two number**

Step-1. Start

Step-2. Input a,b

Step-3. div=a*b

Step-4. Print div

Step-5. End

- **Find Miximum from three**

Step-1. Start

Step-2. Input a,b,c

Step-3. If (a>=b) && (a>=c)

Yes: d=a

No: next

Step-4. If (b>=a) && (b>=c)

Yes: d=b

No: d=c

Step-5. Print d

Step-6. End

- **Print 1 to 6 or 1 to n**

Step-1. Start

Step-2. Input n

Step-3. x=0

Step-4. X=x+1,print x

Step-5. If(x!=n)

Yes: go to step 3

No:next

Step-6. Stop

- $1+2^2+3^2+4^2+\ldots\ldots?$

Step-1. Start

Step-2. Input n

Step-3. X=0,p=0

Step-4. x=x+1, y=x*x

Step-5. P=p+y

Step-6. If (x!=n)

Yes:go to step 4

No:print p

Step-6. End

- $1+2^3+3^3+4^3+\ldots\ldots?$

Step-1. Start

Step-2. Input n

Step-3. X=0,p=0

Step-4. x=x+1, y=x*x*x

Step-5. P=p+y

Step-6. If (x!=n)

Yes:go to step 4

No:print p

Step-7.End

- $1+2^2+3^3+4^4+\cdots?$

Step-1. Start

Step-2. Input n

Step-3. X=0,p=0

Step-4. x=x+1, y=0,z=1

Step-5. Y=y+1, z=z*x

Step-6. If (y!=x)

Yes:go to step 5

No:p=p+z

Step-6. If (x!=n)

Yes: go to step 4

No: print p

Step-7:End

- **Multi into two number by add**

Step-1. Start

Step-2. Input x, y

Step-3. a =0, b=0

Step-4. a =a+x, b=b+1

Step-5. If (b!=y)

Yes: go to step 4

No:Print a

Step-6. Stop

- **Multi into two number by subtract**

Step-1. Start

Step-2. Input x, y

Step-3. a =0, b=y

Step-4. a =a+x, b=b-1

Step-5. If (b!=0)

Yes: go to step 4

No:Print a

Step-6. Stop

❖ **Division into two number by add**

Step-1. Start

Step-2. Input a, b

Step-3. If (a>=b)

Yes: next

No: x=a,a=b, b=x;

Step-4. x =0, y=0

Step-5. x =x+1 ; y=y+b

Step-6. If (y>=a)

Yes: next

No: go to step 5

Step-7. If (y>a)

Yes: x=x-1, y=y-b

No: next

Step-8. Y=a-y , print x, y

Step-9. Stop

❖ **Division into two number by subtract**

Step-1. Start

Step-2. Input a, b

Step-3. If (a>=b)

Yes: next

No: x=a,a=b, b=x;

Step-4. x =0, y=a

Step-5. x =x+1 ; y=y-b

Step-6. If (y<=0)

Yes: next

No: go to step 5

Step-7. If (y<0)

Yes: x=x-1, y=y+b

No: next

Step-8. print x, y

Step-9. Stop

❖ **Sum of digit**

Step-1. Start

Step-2. Input n

Step-3. P=n, a =0

Step-4. b=p%10

Step-5. a =a+b

Step-6. p=p/10

Step-7. If (p!=0)

Yes: go to step 4

No: print a

Step-8. Stop

❖ **Reverse of Digit**

Step-1. Start

Step-2. Input n

Step-3. P=n, a =0

Step-4. a=a*10, b=p%10

Step-5. a =a+b

Step-6. p=p/10

Step-7. If (p!=0)

Yes: go to step 4

No: print a

Step-8. Stop

❖ **Plamrome Number**

Step-1. Start

Step-2. Input n

Step-3. P=n, a =0

Step-4. a=a*10, b=p%10

Step-5. a =a+b

Step-6. p=p/10

Step-7. If (p!=0)

Yes: go to step 4

No: next

Step-8. If (n==a)

Yes:print (“number is plamrome”)

No: print (“Number is no plamrome”)

Step-9. Stop

❖ **Amostrong Number**

Step-1. Start

Step-2. Input n

Step-3. P=n, a =0

Step-4. b=p%10

Step-5. b=b*b*b, a =a+b

Step-6. p=p/10

Step-7. If (p!=0)

Yes: go to step 4

No: next

Step-8. If (a==n)

Yes: print (“Number is amostrong”)

No: print (“Number is not amostrong “)

Step-9. End

❖ **Prime Number**

Step-1. Start

Step-2. Input n

Step-3. x=0, m=0

Step-4. x=x+1, y=n%x

Step-5. If (y==0)

Yes:m=m+1

No:next

Step-6. If (x!=n)

Yes: go to step 4

No: next

Step-7. If (m<=2)

Yes: print (“number is prime”)

No: print (“Number isnot prime “)

Step-8. Stop

❖ Perfect Number

Step-1. Start

Step-2. Input n

Step-3. P=n/2, m=0. x=0

Step-4. x=x+1, y=n%x

Step-5. If (y==0)

Yes: m=m+x

No: next

Step-6. If (x!=p)

Yes: go to step 4

No: next

Step-7. If (n==m)

Yes: print (“Number is perfect”)

No: print(“Number isnot perfect”)

Step-8. Stop