**Practical**

**Q1- WAP to add two integers.**

#include <stdio.h>

int main()

{

int a=5,b=4,c;

c=a+b

printf("%d",c)

return 0;

}

**Q2- WAP to add two integers received by the user**.

#include <stdio.h>

int main()

{

int a,b,c;

printf("enter the value of a:");

scanf("%d",&a);

printf("enter the value of b:");

scanf("%d",&b);

c=a+b;

printf("addition of a and b is :%d",c);

return 0;

}

**OR**

#include <stdio.h>

int main()

{

int a,b,c;

printf("enter the value of a and b:\n");

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

c=a+b;

printf("addition of a and b is :%d",c);

return 0;

}

**Q3- WAP that will receive a variable and will check if it's prime or not.**

#include <stdio.h>

int main()

{

int num,i,ans;

printf("Enter the value of num:");

scanf("%d",&num);

for(i=2;i<=num/2;i++);

{

ans=num%i;//%i will give us the remainder

if(ans==0)

{

printf("It's not a prime number");

goto end;

}

}

printf("It is a prime number");

end:

return 0;

}

**Q4. WAP to print the prime no. from 1 to 100.**

#include <stdio.h>

int main()

{

int num,i,count;

printf("ALL the prime numbers from 1 to 100 are:\n");

for(num=1;num<=100;num++)

{

count=0;

for(i=1;i<=num;i++)

{

if(num%i==0)

{

count++;

}

}

if(count==2)

{

printf("%d\t",num);

}

}

return 0;

}

**Explanation**

1 2 3 4 5

5%1=0

5%2=1

5%3=2

5%4=1

5%5=0 count is 2

4%1=0

4%2=0

4%3=1

4%4=0 count is 3#include <stdio.h>

int main()

{

int num, i;

printf("enter the value");

scanf("%d", &num);

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

{

printf("\n %d\*%d=%d", num, i,(num\*i));

}

return 0;

}