## ID: 021202076

## LabSheet-4

```
1.
```

```
#include <stdio.h>
#include <stdlib.h>
int main()
  int i,j;
  for (i=1; i<300; i++)
  {
    for (j=2; j<i; j++)
      if((i\%j) == 0)
       {
       break;
       }
      if (i==j)
     {
       printf("%d ",j);
     }
  }
}
```

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
  int a,b,c;
  for(a=1; a<=3; a++)
    {
       for(b=1; b<=3; b++)
         for(c=1; c<=3; c++)
              if((a!=b) && (b!=c) && (c!=a))
              printf("%d %d %d\n",a,b,c);
       }
     }
  }
return 0;
}
```

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
 int a,b,line;
 printf("Please enter how much number of lines are you taken: ");
 scanf("%d",&line);
 for (a=1; a<=line; a++)
   for (b=1; b<=a; b++)
     printf("%d",b);
 printf("\n");
  return 0;
}
4.
#include <stdio.h>
#include <stdlib.h>
int main()
{
  int n,r,i;
```

```
long long int nPr , n_factorial=1, nr_factorial=1;
  printf("Please enter any two positive value for n and r: ");
  scanf("%d %d", &n,&r);
 for (i=1; i<=n; i++)
  {
    n_factorial *=i;
  }
 for (i=1; i<=(n-r); i++)
     nr_factorial *=i;
   }
 nPr = n\_factorial/nr\_factorial;
printf("The value of %dP%d is = %lld ",n,r,nPr);
 return 0;
```

}