

2)

Infix to Postfix

IBH19CS045
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```
int top = -1;
```

```
void push(char ch, int n, char stack[])
```

```
{ if (top == n-1)
    printf("Stack is full\n");
    else
    { top++;
      stack[top] = ch;
    }
}
```

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```
char pop(char stack[])
```

```
{ char ch;
  if (top == -1)
    printf("Stack is empty\n");
  else
  { ch = stack[top];
    top--;
    return ch; }
}
```

```
int emptych()
```

```
{ if (top == -1)
    return 1;
  else
    return 0;
}
```

```
char stacktop(char stack[])
```

```
{ if (top == -1)
    printf("Empty stack\n");
  else
    return stack[top];
}
```

```
int priority(char ch)
```

```
{ switch (ch)
  { case '+':
    case '-': return (1);
    case '*':
    case '/': return (2);
    case '^': return (3);
    default: return (0);
  }
}
```

}